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ĐŽ	ÜNĚHEDŽ	ĐŽ
+o5T If	UNĚHEDŽ	yĂŋIf
32	Σ lġfĀ Ő ġ2ġf äĂġ dġ Yġ σ ġ ġ2ġf +lġz ġ2DyġĂk +ĐŽĀ	1
35	l2ĂT If KŮġdžŎĐŽf 3 ġRŮĀ 2ġ2ġ Ĥf KŮKŮdždž +lġ ũ! +ĐŽf	2
39	ŎŎŎ ġ2ġf äĂġ dġ Σ lġf 2Ů Őġf Lġf yŏĐŽNġj ýĤ +lġ Ů ġ ĤĂ+lġ Ů KŮġdž ĐŽġf	3
42	ýĤ +lġf ġz+lġ Ů Kġ2ġ 2ŏŏf KŮdždž	4
43	+lġ ũ! +ĐŽf l2ĂT ĐŽġf KŮdždž	5
44	LġžyĤ +Z2ġdž KŮġdž LġŮŮŮf KŮdždž 5ĂT dž +ġġĀ +ĐŽĀ +ŏ ġf KġġŮ Ůf Ů ġ2ZĐ ŐTK+lġf Yġ ŏĂLġġ	6
45	Yġ2Ů ũ! +ġ ġf KŮġdžġ ĐŽKġ2ġf yTKKŮdždž ŐĐŽĀ Ő ġf	7
47	LġžZĂdždžyĤhġ ġf ġf yġĂġf ġġ P Nġj ýĤ +lġ Ů ġ ĤĂŏġdž KġĂdždž	8
62	ġf Ů Đġf KġġZĐŮĐŽf +ŏġdž YġfĀ +ġf Kġġzf +lġ Ů ġ ĤĂĐŽ+lġf	9
63	ġf Ů Đġf KġġZĐŮĐŽf +ŏġdž YġfĀ +ġf Kġġzf +lġ Ů ġ ĤĂĤf +hŮf	10
64	ġf Ů Đġf KġġZĐŮĐŽf +ŏġdž YġfĀ +ġf Kġġzf +lġ Ů ġ ĤĂ ġf	11

65	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf Y ǝfǝf yǝdǝ ɛzǝ ǝj+ǝf	12
65	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf ɜ ǝj yǝdǝ ɛzǝ ǝj+ǝf	13
65	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf +ǝf yǝdǝ ɛzǝ ǝj+ǝf	14
66	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf +ǝf yǝdǝ ɛzǝ ǝj+ǝf	15
66	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf .z ǝdǝ yǝdǝ ɛzǝ ǝj+ǝf	16
66	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf +ǝf yǝdǝ ɛzǝ ǝj+ǝf	17
67	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf +ǝ ǝf yǝdǝ ɛzǝ ǝj+ǝf	18
67	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf .z ǝǝf yǝdǝ ɛzǝ ǝj+ǝf	19
67	qfū dēf KǝzzDǝmǝj+ǝdǝ Y ɛ:fǎ+ǝf Kǝzzf +ǝǝf ǝf yǝdǝ ɛzǝ ǝj+ǝf	20

68	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf Ÿ qfũf ýġdž Džžǎrf + lǝ	21
68	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf ž dž ýġdž Džžǎrf + lǝ	22
68	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf + ōfŋf ýġdž Džžǎrf + lǝ	23
69	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf + qfŋf ýġdž Džžǎrf + lǝ	24
69	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf ž ņgdž ýġdž Džžǎrf + lǝ	25
69	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf + qfŋf ýġdž Džžǎrf + lǝ	26
70	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf + ō ņof ýġdž Džžǎrf + lǝ	27
70	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf ž ņǎf ýġdž Džžǎrf + lǝ	28
70	qfũ dēf KġzzDŋmēf + ōgdž Ÿ rēfǎ + qf Kġzzf + ōŋŋf ŋf ýġdž Džžǎrf + lǝ	29

71	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	30
	Yŕfŭf ýŕdž žž ŕf+lŕ	
71	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	31
	ž pž ýŕdž žž ŕf+lŕ	
71	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	32
	+āqf ýŕdž žž ŕf+lŕ	
72	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	33
	+ŕfŕf ýŕdž žž ŕf+lŕ	
72	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	34
	+ŕfŕf ýŕdž žž ŕf+lŕ	
72	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	35
	ž Āŕđf ýŕdž žž ŕf+lŕ	
73	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	36
	+ŕ ŕŕf ýŕdž žž ŕf+lŕ	
73	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	37
	Σ ĀŕĀf ýŕdž žž ŕf+lŕ	
73	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	38
	+āžŕ ŕf ýŕdž žž ŕf+lŕ	
74	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	39
	ýŕ+lŕ ŭf ýŕdž žž Āŭf+lŕf+lŕ	
75	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	40
	ýŕ+lŕ ŭf ĩ žžāŕf+lŕf+lŕ	
76	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	41
	.ýŕ+lŕ ŭf ĩ žžāŕf+lŕf+lŕ	
77	qfū dēf KŕzDžmŕž+āqđ YŕfĀ+qf Kŕzŕf	42
	.ýŕ+lŕ ŭf ĩ žžžŕf+lŕf+lŕ	

77	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	43
	Y ǵfǻf ýġdž DŽ !ǻf+ǻf+ǻf	
78	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	44
	Y ǵfǻf ýġdž DŽ đđf +ǻf+ǻf	
78	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	45
	. Y ǵfǻf ýġdž DŽ đđf +ǻf+ǻf	
78	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	46
	. Y ǵfǻf ýġdž DŽ žfǻf +ǻf+ǻf	
79	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	47
	. ž đž ýġdž DŽ !ǻf+ǻf+ǻf	
79	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	48
	ž đž ýġdž DŽ đđf +ǻf+ǻf	
79	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	49
	. ž đž ýġdž DŽ đđf +ǻf+ǻf	
80	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	50
	. ž đž ýġdž DŽ žfǻf +ǻf+ǻf	
80	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	51
	+đđf ýġdž DŽ !ǻf+ǻf+ǻf	
80	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	52
	+đđf ýġdž DŽ đđf +ǻf+ǻf	
81	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	53
	+đđf ýġdž DŽ đđf +ǻf+ǻf	
81	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	54
	+đđf ýġdž DŽ žfǻf +ǻf+ǻf	
81	qfũ dēf KġzzDñpñž+đđđž Y ɽfǻ+ǵf Kġzzf	55
	+ǵf ýġdž DŽ !ǻf+ǻf+ǻf	

82	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	56
	+ǧfif yġdž Džāāf +lǧf+lǧ	
82	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	57
	.+ǧfif yġdž Džāāf +lǧf+lǧ	
82	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	58
	+ǧfif yġdž Džāzif +lǧf+lǧ	
83	dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	59
	2 Ādž yġdž Džā !Āf +lǧf+lǧ qfū	
83	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	60
	2 Ādž yġdž Džāāf +lǧf+lǧ	
83	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	61
	2 Ādž yġdž Džāāf +lǧf+lǧ	
84	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	62
	2 Ādž yġdž Džāzif +lǧf+lǧ	
84	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	63
	+ǧfif yġdž Džā !Āf +lǧf+lǧ	
84	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	64
	+ǧfif yġdž Džāāf +lǧf+lǧ	
85	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	65
	.+ǧfif yġdž Džāāf +lǧf+lǧ	
85	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġzif	66
	+ǧfif yġdž Džāzif +lǧf+lǧ	
85	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	67
	+ǧfif yġdž Džā !Āf +lǧf+lǧ	
86	qfū dēf KġzzDžmēfž+āgdž Yēfǎ+ǧf Kġdžzif	68
	.+ǧfif yġdž Džāāf +lǧf+lǧ	

86	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	69
	+đ Ğōf ýĠdž DžĀĀf +ŭjif+lōž	
86	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	70
	.+đ Ğōf ýĠdž Džžžf +ŭjif+lōž	
87	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	71
	Σ ĀĠĀf ýĠdž DžĀ !Āŭf +ŭjif+lōž	
87	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	72
	Σ ĀĠĀf ýĠdž Džžāqf +ŭjif+lōž	
87	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	73
	Σ ĀĠĀf ýĠdž DžĀĀf +ŭjif+lōž	
88	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	74
	Σ ĀĠĀf ýĠdž Džžžf +ŭjif+lōž	
88	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	75
	+đžŋ ŭj ýĠdž DžĀ !Āŭf +ŭjif+lōž	
88	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	76
	+đžŋ ŭj ýĠdž Džžāqf +ŭjif+lōž	
89	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	77
	+đžŋ ŭj ýĠdž DžĀĀf +ŭjif+lōž	
89	qfũ dēf KġzzDžmēž+āqđž YēfĀ+qđf Kġdžžf	78
	+đžŋ ŭj ýĠdž Džžžf +ŭjif+lōž	

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- 56 KČZU Ůf U fZDf PTK+LŮf KČZŽ D
+ŮZŽĀ+Ů 5f
- 58 γfZU Ůf U fZDf PTK+LŮf Kf215 γ
Kf21f ŌŮT KČZĀŮZŽĀŮ 5f
- 61 +ŮZŽ+ŮLŮf γfZUŮfĀ+Ůf KČZŽf W
ý† Ī ZĀ ý† +LŮf Ůf Ī ZŽŮf KČZŽZDŽ
ŮŮČZŽLŮZČZ
- 90 +LŮf25f γfĀZŮfK+Ů 5f KČZ Ůf ϐ
+LŮf Ůf Ī ZŽŮf DČZŽ γ† σ DŮpŮ
+ZČZKČZĀZ LpžZĀZŮ†Ā ý†
- 97 f25f γfĀZŮfK+Ů 5f KČZ f2Ů 5
Ůf DČZŽ γ† σ DŮpŮ+LŮf

t ONZ
HŮFĚA'R hŭPYNjiz zŕl JčUT Ůf s'pct ĩql + hŭE EDžz
DqŭEİ z DřYJŬE
hŭDŭNŭŽDŭŽ dŭN
2006 ŨHDžJŭ

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Abstract

Standardizing Symptom Assessment Questionnaire (SA-45) for Jordanian Universities students

Khaled Sulyman H'moud AL-Matarneh

Mu'tah University, 2006

This study aimed at standardizing symptom assessment questionnaire for assessing general psychiatric symptoms for Jordanian universities students ,and to drive student's performance norms on the questionnaire and it's domains.

The questionnaire test-retest reliability using a sample of (141) male and female students were (.69-87) ,and the internal consistency reliability using the whole sample of (1000) male and female student were (0.69-0.85) .

The criterion related validity of some domains of the questionnaire (Anxiety ,Depression ,Obsessive-compulsive ,phobic anxiety and Somatization) using their related components of CRON& CRISP list were (0.50 ,0. 69,0.49,0.69,0.60) respectively .

Factor analysis ,showed that the psychiatric symptoms clustered on nine factors explained (53.39%) of the questionnaire variance .

Two-Way ANOVA showed statistically significant effects ($\alpha=0.05$) of gender and academic level on students performance on the questionnaire and it's domains , this result led to drive performance norms for ,male and female students and for students in the 1st ,2nd ,3rd ,and 4th levels. The raw scores of these groups were transformed to (T)scores with a mean of (50) and standard deviation of (10) and transformed also to percentile ranks .

The results showed that the norms which were derived form the original study on the American sample were similar to norms on the present study on the Jordanian universities students ,which is a strong indicator that the questionnaire is un bias for any culture .

1. HODI ZA UOZ yfTh+dpUf +fop i ZZ+dpUf lRNLpK f f2pf lRnJ
 .f 6 yfTh+dpUf K6d6f

h6d6fH6DŽ.1

U fZZD f 6PTK +dpUf LpA Y6zhu f f2pf +pZdž f6rk
 6f f6 P LpA+dpUf +fop (SA-45) +dpA U6 6f K6zU Ÿf
 NfL f6rkÖf +66dž K6A6dž i ZZ+dpUf LpK DZpA U66dž f
 : +6f +pZf i ZZ+dpUf yŸP LpA!A UdpUf i ZZp A6dž
 +dpU Ÿ 65dž (+66dž f f f6 P)f K6A 6p f KŸŸp 6ž1
 +fop Ö5 (SA-45) +dpA U6 6f K6zU Ÿf U fZZD f 6PTK
 H6dpUf

U fZZD f 6PTK 6dž ZZ+dpUf K6d6f +h6ž f6D26dž6ž
 P+dpUf +fop Ö5 (SA-45) +dpA +6 6f K6zU Ÿf

h6d6fH6DŽ.3.1

Ü 6! +dpUf +fop ŽpA U66p 6pD26K Ö5 f f2pf +6pLpK
 Ö5 6pP fA Ÿ6z6dž +dpA +6 6f K6zU Ÿf U fZZD f 6PTA
 || A6ž f 6PTA Ÿ A6z6h6fA Ÿ6pž 26pŸA Ÿ 6f 6f2Ÿf KŸ6dž
 . +6ž +6f 6f6f 6f6f ŸŸz f 6f u 2dž Y6 A6p6dž Ÿ A f 26

uāzif ō5 ōfLjDāf ī pū + ō ō ōfDf Dāf + pūŌNā ūōēnf
 .(1992Ū Ā ōf) ūKŌf dēŌŌŌf zif

ī !g+DfĀ+Ō fuf KŌf ūf yf2Df5(LfDf) ōfēf Yōf ōf
 Ōf+Df KŌf ūf 2 Lf ōf ūPcU' 2dž DLf Nf +ōžnf ýqfZ
 : LfZĀlj

DfĀ ōf KŌf ýūPf ī !gNf yf2Ā YfĀ Σ Ānf LĀlj .1
 . Lfūf Df Ō5

1992ŪTŌZ) +Ō lqf fōf 2 fĀ ýūPf ī !gNf yf2Ā ūōēf f .2
 .(

DfĀZĀK f5 ū f DfZ fōfŌ5 ýfēf 2ĀŌZnf ōf ōf
 ōf 2ŌŌŌf ūf fuf Df KŌf ōf ūfĀ+Ō fuf ū f2dž
 KfTŌf5 2ĀŌf fuf fōfĀ .Ōf Yfū ūf ō fuf Yfū ūf
 ýŌf ýŌf ōf 2 ūf f Ā f ŌPf Ōf ūf +ōžnf KŌf ōf
 ||ĀŌf ū f Ōf KŌf ūf Σ 2fōf K2ĀK ōf ūKŌf ōf lqf
 ī ū 2dž fŌf Ōf uāzif ū ŌPf YfŌfDfK2ĀŌ ū 2dž
 .(2004ŪfZ) KŌf ūf lqfLfZ Df ī Df

+DfĀ+Ō fuf KŌf ūf KŌf .1.2

ōf fZDKZĀ ūf ūf ūf 2dž2Nf +DfĀ+Ō fuf ū f2dž
 KŌf ūf ūf ūf KZĀ ūf ūf ūf +DfĀ+Ō fuf
 ū f2dž f f P ūf ūf ūf ūf ūf ūf ūf ūf
 ýhūf ōf ū 2dž 2Nf +zō ī !gYĀf fNf yf2ŌŪ .+DfĀ+Ō fuf
 yf2Ō ūf ūf ūf ūf ūf ūf ūf ūf ūf ūf
 ūf ūf ūf ūf ūf ūf ūf ūf ūf ūf ūf
 . (2000ŪfZ) ūf

Ī !gĭ fōō Yf2T + fōō GōZĠfōZĠ!ĠdĠ 2ĠTŪf Ō5+Ġfōdġ KŌ2f
 .(1998Üb2f f2)+Ō 2f KŌ2Ū Ūf + Āfō

2ġkŌfĀ:(Id)Āf :ŌNġf2ŋD ūĀLġġĠfōyġf LDfō25 2ġĠĀ
 ŌfĀ :(Ego) ŪfĀ Ū2ĠTŪf +ŋf2fĀ +Ō Lġf +Ō22f yġġf Lġ
 ĀD(Superego)Ī 2f ŪfĀ Ūġf LġZŌZġf Ġ2fĀ 3Ūdġ Lġ 2ġk
 KŌfōdġ lġNġLġYf2T f ūġġŪŌŌNġĠŌŌ 2f KŌ2Ū Ūf Lġ Ū2Ōġ f
 . (2005 ÜĀĀΣ f2)

Yġ LDā2Ō Ūfōf +fō2f YŌDLġĠĠ ŪŌġĠNġLġf) Ō
 Ġ2ŋ Lġġġfġf lġkġf2Ōy2f 22Ġdġ NġŪŌġĠ+Ō 2f Ū f2ġf
 yġLġġ2ŌdġDŪĠġNġy2f 2TŌ Ō2ġ Ūy2f lġkġf2ŌNġġT
 y2f fġk 2 Ā 22Ġdġ lġĠ ŪNġf Ġ2f yġġ LġŌ Nġ Ūfġf
 Lġ2 Ī DNġġk fū +Ōf yġ2 2 |k+ ō Ūġ LġZŪf Ō2k Yġġ
 Ū Ā 2f) Ō 2f Ū 2ġġ Ī!gŌŌĠ āĠTf l2ġ Ī!g||RfĠĠ ŪfġĠDġ
 . (1992

hġNġfġf2.2.1.2

LġŪŪŌġĠ+Ō 2f KŌ2Ū Ūf LġŪĠĠĠ+Ōy2f YŌT Dā2Ō
 2 fĠġD2Ōdġ fĠġġYĠ2d2Ō +Ōf Ī DŪĠĠZġġĠ +ŋġ
 LDĪ!g LġĠĠ YNġ ŪŌŌT 2Ō fġŪġġġġġ Ōf + fōō Ū2Ōdġ
 Nġ Ō5f2f dġk f2 ŌŌ ō Ū2ġġġġġġġġġġ Ō 2f Yf2Ū Ūf
 .(1994Üŷf)

+ Āfō Ō5f2f Y2Ōf2ŋŪf Ū2TŪf KŌġġġġġġ(2ġ) 2ġĠĀ
 ā2Ġ .+ŌġĠ+Ō 2f KŌ2Ū Ūf Lġġ 2f2ġfġ ŪŌġĠ Ō 2f Ū 2ġġ
 ĀŌ Ō 2f Yf2Ū Ūf 2 2ġ Ū2P f2ŋdġ!RġġĠ+ŌYŌDġĠLD
 ĀL2ġk ŌŪġPŪf Ā2f fġŋ2ŪP ĀDġd2Ō ||ĀZNġŌġ
 .(2000Üb2f f2) ŌŌT 2Ō yġThNġ

Ädē ĞÄD2Gp Ö5j25ēdžÄDÜ2 T Lpž ĞfjÄ ÄD2Änjž Lpž ÄDÜMhu
l2ē

.(Gail ,S .Barbara ,L .Van,N .Ins ,C .Laura,C , 1998)

: ÖZGžÜf Yēf -2

Yēf fNjPā Ü YÄTfÄ ZGfÜf Ö5+ēf +ēdž Ö5 ÖēÄ
ZÄur Ö5 DžfjÄ ÜēfjÄ ÜfZTfjÄ Üēf yÄēf Lpž ÄPif l2ÄT
. Σ ēf

: KēfjÄf Yēf -3

Lpž ÄPif ÖēÄ äZPÜf Yēf YÄTLpž ēēf džypDyfZÜrf ÄNj
.KēfjÄf U' zhu

: tōr Zdjž Äēdž- 4

Lpž K+tōr Zdjž 2 pÄdjÄ ÜLjif KjZTzē Zdjž KpÄ ĩ DÖ5ZnjK
ÄD KjZGf YÄZÄ Üēdž ZēPÄ ÜZfÄT fÄ ÜKēēēf Yēf
.KfZGf

: U' Zdjž Yēf -5

Yēf Ä ÜpžU' fZdžyÄžZÄLjU' fZdžLpžēf 2 ÄPif lJÄodÄ
. tēPif Zēf LpžNj+ēfjÜ ZjZkf ĩ Zž ÄoōYÄLj fNjLpž

: tēfjÄ Äf+tōr Zdjž Äēdž-6

U' Zdjž ZÄT ĩ Zžēf LjU' Zg+ēēē+ēēē+ēēē 2 ÄēdžÖNj
Lpž ÄPifÄ Ü ēf ēf Lpž ÄPif ēēēLpž ēfjÜ+ē LpžZÄ
2 Äēdžēēēēēē ÄLj+ēž ÄēÄf lJÄÜēf yēZDÖ5t ÜēLj
.(1987Üēēf) ÖfjÄ Äf Yēf zlf lēē ZžKēfjÜgÜör Zdjž

: (Depression) f fÄÜ3.5.1.2

ž PjÄ ÜYēēZÄTfjÄ ÜēfjÄ ÜēfjÄ ÜēfjÄ Üēf ZēfLpž!ē ÄNj
.(1992Ü Ä ēf)

: Yēf U' fZD

2006džl| 01jL5 Ü (I.C.D-10) +00žf +oT If +džlžy0p 0f0A
: 0NĀ+00j If ý05ĪJĀ Σ ĀĖĀf 05ĖĀ ũIfĀ ĖĀ If 00k

Ī 0ZL0ZĀ0D0dĀ 00f Y0ž 05 U f2ZŪf + Ā00 0f0k.1
ý0f

00PŪf K00f If ydž002Ū! 00T džU f2ZŪf 0NjLĀk LP2
. f PTD00žf

N05HĀDj005H0fĀ U f2ZŪf 0Nj0W 00ž2 f0žf .3
(1998 0L0Ā)

05 LĪĀ+00j If Σ ĀĖĀf 00Rfj+0Lj+00ž Kf0Ė 0Ūf L00Ā
+0Lj 0Ā0KĀ %2.5 0ĀĖ0Ū 00f 0f0dž 0ZNj0džLP0k 00ž
American Psychiatric) (%2.5 -1.5) L000f0Ā 00ž 05
Association .(2000

:(Hostility)000f5.5.1.2

00!Ū 00f Nj0Ā000LĀDŪĀLj DL0ž00PK ĀDŪ0Nj00Lj0Nj
LĪ ĀDŪ(000)000f 0f0f 000 LĪ 00NjHĀDŪP0Ė PThĀRŪf
|| 00NĀ. (1994 Ū Ā 00f) || ou !ĪĀ+00P !ĪĀ Ė00 Ū || ĀDž 00
00k+00 ĀDŪ000 K00T k050 ħk0Rf K002Lj ý0džĀDž2Lj
(1991 Ū Ī ĀžNŪRĀ Nj0+0Ā j00Ā 00PŪ0ĀRŪf 00!0Ī !0

: + 0 Lj0ž00ž0ĀT LĪĖ0f R0Ā

05 Ū0Ī0f j2Z0dž00k 05 00PR 00Rf +00žf ĀD00ž+z00 .1
Ī 0ZĀD(+00Ė Kf00fĪĀ Ū 00 Ā Ū00) +00ž +00ž Ī 0Z0ž0
Ū00f LĪ Yf00 ŪĪ Ū000 0f0Ī Ū00!Ė +00ž 00 ý0ĖĀ
Kf0f 0f0Ā Ū00Ūf 000Ā

00ž00žf RĪĀ+00Ī0f 2Z0džf 0NjNj0ZĀDN0320Ī Rf 00ž0f+z00 .ب
Ī !0Nj0000f Nj0005ŪNjLj00f Kf0R)000 ĀD00 LĪ0LP

ljnĀ (tāzīl ǧġĀ ūāqīdā ūr zdġ ʔ pġĀ ūlġnġĀ ūānġf Σ ĀġĀf
 .(SAI,2000) fġfġ lġnjōʔ dġr dġ ōnjġ ūġdġ

: hġpūēl jġyġf 7.1.2

Ū Ār Z Ÿġ ġf Σ ā ūl ǧġpzdġkġz ūf ōnj: hġzġl jġpūēl ūē
 ĩ!g ʔ zŋf dġ fġfġ lġnjōʔ ūlġydzġf ýzġ ĩ!g ġġ pāzā
 dġ ĩ ġf Σ ġdġ ġzġýdġ ō ōf tġzġ tġ ǧġ kġz ūf ū fzd
 :ljzāŋ

Lġtġtġ ġġfĀ ūġzġfĀ ūlġnġĀ ūr zdġ ʔ pġĀ ūġfġĀ ūpġ
 .tāzīl ǧġĀ ūāqīdā ūānġf Σ ĀġĀfĀ ūē ōtūf
 ūōfġf pġĀ ūpġġĀ ūzġfĀ ūē āpġpġf zġt ānj: (Anxiety) ʔhġf
 ūāpġūāzġrġdġýġdġ ġnjġ dġāġē kġz lġdġōlġf ġzġġĀ
).Lġpġ dġlġpġnjġdġ dġdġ kġzġf ōdġdġlġŋ ōʔtġ zdġġāzġ
 (SAI,2000

zġtġf pġĀ ūdġf lġpġ lġāġpġf zġt ānj: (Depression) fġpūēl
 ūlġzġf zġ ýġdġ ġnjġ dġāġē kġz lġdġōlġf ġzġġĀ ūāpġ
 tġdġ kġzġf ĩ dġlġzġf lġlġ ōʔlġf tġlġzġtā lġpġdġ
 (SAI,2000) . dġhġpġdġ ūlġzġfĀ ūlġpġdġ

ūġzġzġ dġzġ Ÿr Σ kġzġpġf zġt ōnj: (Hostility) hġpūēl
 ūlġpūf āġ Ÿġpġzġtġ ūġt ġġ ūzġdġkġf ōʔ ýāpġġĀ
 ūr zġf fāzġ ýġdġ ġnjġ dġāġē kġz lġdġōlġf ġzġġĀ
 kġzġf ādġdġŋ ūāpġ ūlġpūġāġ Ÿġ ūlġzġ ūlġzġġġ
) ūġzġfġ dġnjġdġ dġzġpġ ūāpġpġdġ ūr zġf āġtġdġ
 . (SAI,2000

tġt!ġpġf zġt ānj: (Obsessive-Compulsivity) āpġpġ ʔhġf
 lġdġ! ġhġpġf ādġdġfThġzġlġdġġġ ūkġzġf ġf ōʔ

ĀDLj2P!6LĀZTÖŮ +āfđđ KĠĠZf ĀDĠdžđñw f2ZŮf ljrñLĀĠf dž
 .(SAI,2000) ŌñĀĀŌ 5Yñ LĀp f2ñĀ l2f2o!f KĠĠj

f2ŋf 2ĀZT ŌNj : (Interpersonal Sensitivity) **hē jō ū ē dīē hē jē qē**
 +o!2!f f2ñ2ĀZT!f || !ĤĀ Ūñdž f2ĀĀ LĠĠdžđ LĠPŮf **DĀJŮ**Āfđđ
 ýĠdžñNj **ĠZĀĠ** KĠĠZ LĀDĠŌLñf f2ZŮf ĀLĠPŮf ydž f2ōĠĠZ
 LPLñ Ō5 ŪLĠPŮĠDñpž! LĠ ĠoĀ ŪĀfđđ LĀZTĀ ŪLĠZĠñf 2Ġ
 LĀŋ oĠ ŪĀ LĀZĠñĀ ŪDñh LĀkdž āfđđ KĠĠZf Ĩ **ĠZLŮZĠf**
 . (SAI,2000) LĠPŮĠDñpž!

hē jō ū ē dīē hē jē qē 8.1.2

: **DĀJŮ**Āfđđ **KĠĠfñ** **hē jō ū ē dīē hē jē qē** **hē jō ū ē dīē hē jē qē** **hē jō ū ē dīē hē jē qē**
 +Ġ đđ KĠĠZ Ūf YĀTLĠZĀDĀDñf **ĠZĀL**KĀĠĠŌf KĠĠZfñ - Ĩ
 .+ĠZĀ

KĠĠZ Ūf Ū f2ZDŮ zhΣ Ġ! Σ **ĠfđZĀ**hKĠĠŌf KĠĠZfñ - Y
 . +ĠZĀ+Ġ đđ

hē jō ū ē dīē hē jē qē 1.8.1.2

hē jō ū ē dīē hē jē qē

f2ž +Ġ đđ ŪĀz Ūf +Zzdž !g KĠĠññ f2p (Philip,1984) Y **ĠZĀ**ñD
 ýñLĠžđññZ Ōo!f LĠDĠĠĠ σ DĀLñf LĠžñññZ ŪŪf LĠžĀdžđ
 ŪĀz Ūf LĠžPZ Σ Ġk Σ **Ġfđž**ñĀ+ oĠĠ **ĠZĀ**f + ō ŪŌĀñŮf Ūf LĠĠf)
 2Ġ o!f LĠžĀĠ Lñf f2ZŮf LĠNĠñf KññĀ ŪĠ đđ KĠĠZ ŪĀ
 fññ ŪĠĠĀ ŪDñ:ŌĀ Ō đđ Ū 2dž Ū f2ZDDñ Kññ 2 Ů ĨĀ
 . l2ññf fññ ŪZĠdž

yr Āf Ĩ **ĠZĀ** 2ññf Ĩ !g KĠĠññ f2p (1986 ŪĠ oĀ ŌĠñf) **ĠZĀ**
 f2ž Ā Σ Ĩñf)KĠZĠdžLžñ+ **ĠZĀ** ġāñĀ+ĠZñf KĠĠñf +**ĠZĀ** Ō đđ
 + oĠĠ **ĠZĀ** Ā Ūf2ZŮ! +Ġ đđ +oŮ Ūf Ō5(Ĩ fñññ Y **ĠZĀ** Ā l2 Ūf f2ZD

K2n1pĀ ū ūĴĀ 2ĀĤĤ Ldž 3852) LdžĀĤdžĴ Ĩ ĐZĴĴ ūŷur Ĥ
Ĥ2TĤf ŷPĤ ūŷur ĤĀ ĐZĴf ydžĀĤŵĤKŴ ģĤ ū 2dž ū fZDLĤĤ f2Ĥf

LĴŵĤĤ f2Ĥ Rosal, Ockene,Barrett,1997) K2ĴĀ LĤĀ ŷzĀ2 ĐZ
)Σ ĴdžĤPĤ f ĐZ ŵ . LĤ ĀNĤ+zdĤ ĤŵZĤŵŷĤĤf 2ĤĤĤf āĤdž
(CES-D

ĤĤLĤĤ ĨgNĤĤf K2ĴĀ ūĤĴĀ ĐZ (99) LdžĀĤdžĴ Ĩ ĐZŷĤĤ!
(%39) Ĩ ĨgŷzĀ (%18) Ĩ ĨgŷĤ KĤ ĤĤf ĤĤf ĤŵZĤŵŷĤĤf 2ĤĤĤf
ĤĤf ĤŵZāĤ (%31) Ĩ ĨgŷĤ R ĤĤZĤĤ LĤ ŴŵĤĤf ĤĤf ĤŵZāĤ
ŷĤĤf āĤ dZŴ ūĴĀ 2ĀĤĤ LĤŵĤĤKĤĤĤĤ|| ūĤĤĤKĐĤ. ĤzĤf
ŷĤĤ ĐZ ūĴ āĤ ŷĤĤf āĤ dZĤ ūĤĤ ĤĤf ĤĤf ĤŵZĤŵŷĤĤf
ĤĤf LĤĤf ĤŵZĤŵŷĤĤf 2ĀĤĤ āĤ ŷĤĤf āĤ dZĤdžĤ ōg ŷĤ
. ĤzĤfĤĤ

Campbell,A.) 2ĤĤĤ || ūĤĤĤ ŷĤĤ ūĤ ĐZ ĤĤ Ŵŵ Ŵŵ
2ĀĤĤ LdžĤ! ūĤĤf || ĤĤ Σ Ĵ! (Sapochinik,M.,& Muncceer, S 1997
. ĤĤĤĐZ ĴdžĤPĤ ūĤĤĤ ĐZ (105) LdžĀĤdžĴ Ĩ ĐZ ūĴĀ
ŴĤĤzZŷĤĤ ĤĤĤ|| ĤLĤ NLĤ ū ĴdžKĤĤ ŴĐZ ŷĤĤĤ ĤĤĤĤ
2Ĥ Ĩ 2ĤĤf LĤĤĤ ūĤĤĤ 2Ĥ ŴĐZf LĤĤĤ ūĤĤĤ LĤĤĤf
LĤ Ĥ ūĤĤ ōg+ĤĤ KĤR LĤ ĤĤf LĤĤĤΣ Ĵdž ĤĤĤĤ ūĤĤĤ
ĐZĤp KĤĤ Ĥ5 2ĀĤĤ ūĤŵŷĤĤf ĤĤf ĐZzŷdžKĤĤ Ĥ ūĤ!
. Ĩ Ĥ ĤĤf LĤĤĤf ĐZzŷdž

KĤŵ ūĤ ĐZ ĤzđĤ Ĩg KĤNĤ(1997ūĤ ō) ūĤĐZ ĤĤ Ŵŵ Ŵŵ
Ĥ ĤPĤĤ Σ ĤĤf KĤĤdžĤĤĤ ūĤ ĤĤf +zdĤ ĤŵZĤĤDLĤĤ ģĤ
Σ Ĵdž ōĤPĤ ūĤĤĤ ĐZ (735) LdžĀĤdžĴ ūĤĤf āĤ dZĤ
Ĩ ĐZzZĤdžĤ (48) LdžĤĤ Ĩ ĤĤ ĤĤzĤ ĤŵĐZĤĤ 2Ĥ LĤĤ)
Ĥ ūĤĤĤ ūĤ ĤĤĤ ūĤ ĤĤĤ ūĤĤ) ĤĤĤf (KūĤĤĤĤ

(NĀe) Σ ḡdžpř dā(1.76) lǝpǝdž 2ḡdž f2olǝ + tǝ (20.5) lǝpǝdž
 Nǝ 2ZĀ Ū ḡdž + dǝrǝt oḡp dǝt ǝ Ūǝl5(20) LǝžĀ + dǝžĀ ḡḡǝ!
 ĩ ǝžǝpǝkǝyǝp Lǝkḡḡ ḡḡohuḡdǝž ḡ ḡpǝ ĩ ĀrLǝžǝpǝdž ǝž
)ḡḡ oḡǝž yǝdǝž ǝpǝ Ī Ūǝrǝt + pǝž hḡĀ ḡḡ (70) LǝžĀ + dǝžĀ ḡž
 (50) LǝžĀ + dǝžĀ ĩ ǝžǝpǝkǝpǝdž Σ ḡdž ǝ ḡ ḡḡohuḡdǝž 0.76
 Kḡḡp Lǝh ḡḡǝ ḡdǝžǝpǝ + ǝ Ūḡḡǝ LǝžĀ ḡḡ ḡdǝž
 Lǝh Kǝǝḡ Σ ḡdž ĩ ǝžǝpǝ Kḡḡp ḡḡǝ ĩ ǝžǝpǝ! Ōḡḡ 2ḡḡ
 Lǝžǝ ḡḡḡ ḡḡǝḡḡ ǝ ḡ ḡ ḡḡohuḡ oḡp dǝž 0.90 - 0.63)
 U ḡḡḡ Σ ḡdž Ūǝḡ ḡdž l2Āḡ ḡ ḡ5(ḡ ḡ) Σ ḡdž Ūḡḡ! ḡ ḡ Σ ḡdž
 Σ ḡdž ḡḡḡ ḡdǝžǝkḡ + ǝ Nǝḡḡ ḡdǝž + ḡ ḡḡḡ Lǝž ḡdž
 Nḡḡk2ḡĀ Ū (0.69 Ū 0.71 Ū 0.74) Ōḡḡ ĩ ǝžǝḡḡ Σ ḡdž ydž
 . 2Āḡḡ Lǝḡḡ 2Āḡ ḡḡ Lǝḡḡ
 yǝḡ Σ ḡdž Lǝḡ(1998) lḡ Āḡ Lǝḡḡ ḡḡ ḡḡḡ ḡḡ ḡḡ
 Lǝḡ ĩ ḡĀ + dǝž + ḡḡ ḡ5 (Clinical Analysis Questionnaire) Ōḡḡ
 ǝ ḡḡ Ūḡḡ Ū 2dž ḡḡ + ḡḡ Kḡḡ ḡ ḡḡ l2l5(144) Lǝž
 Ūḡḡ 2Āḡḡ Ūḡḡ U ḡḡḡ ḡḡḡ Ū 2ḡḡ ḡḡḡ Ūḡḡ
 Lǝḡḡ Ūḡḡ ḡḡḡ ḡ 2 f2olǝ ḡḡḡ Ū ḡḡḡ Ūḡḡ
 Ūḡ ĩ ǝžǝ Σ ḡdž + dǝrǝt ḡḡḡ dǝt ǝ (+ ḡ ḡḡ + ḡḡ ḡḡ Ū ḡḡ
 Ōḡḡ ḡ ĩ lǝdž Ōḡk + ḡḡ yḡ 5 ĩ ǝž ḡḡ ḡdǝž + zḡḡḡ ḡ
 Kḡḡḡ + ḡḡḡ + ḡḡ ḡḡ + dǝž + ḡḡ ydž 2ḡḡ ḡ ḡḡḡḡḡḡḡ
 Lǝḡḡ Lǝḡḡ ĩ ǝžǝḡ ḡ ydž ḡḡ Σ ḡdž U 2Z ḡḡḡ + ḡḡ
 dǝž + ḡḡ Σ ḡdž + ḡḡ Lǝḡḡ ḡḡ Ū + ḡḡḡ + ḡḡḡ Lǝ ḡ ḡḡ
 ǝ ḡḡ + dǝž + ḡḡ ḡḡḡ ḡḡḡ Lǝḡḡ ĩ ǝž ḡdž ǝ ḡḡḡ
 + ḡḡ ḡḡ ḡḡ + 2ḡḡ Kḡḡḡ ḡḡ ḡḡ + dǝž + ḡḡ Lǝž ḡḡḡḡ
 Kḡḡ + Ūḡ ĩ ǝž ḡdž ǝ ḡḡ ḡḡ ḡdž Kḡḡ ǝ ḡ ḡḡḡ . ǝ ḡḡ
 Ūḡ (46 - 23) Lǝḡḡḡḡḡ (50) ḡḡḡ Lǝḡḡ Lǝž ĩ ḡḡ

Σ ΑΓΑΓΑ ÜYGFÜJÄ Ü ΠΡΖU f20LJZÄGÖ LJfÄ LJÖG zif LJZÄGfÄ LJZÄGfÄ ÜÜJ (49 - 22) LJhDNGZDEÄZKÄ (49) DNGZÄ ÜÜJf YGÖ DÄ +ÜJ (48 - 26) LJhDNGZDKoÄZKÄ (47) DNGZÄ LJÖGf +DZ+LÖf İ DZÖf KÖZp ÖDZf 3 pL İf :DÄDÖNÄ 3ZÜ f2h3 pL İf LJNÖf KZÜ TÄ Σ f20S+|ZÜhZÄGdZ zÄfÄ+Ö GÜf KÖf+DZ+|ZÜh LJÖ LJZ(%62.8) +LÖ LJGZÄ 5 KfZÜf +DZyTK f2fÄ ýdZ fÄÄ .+LÖ Üf

KÖÄdZdZ üÄ İ DZΣ GdZ 3ÖK 3ZÜ LJ İ zÖf 3 pL İf : DÄ LJZ+ZÄdZ ÜG 5JLJZÜ dZ LJZ+ZÄdZ ÜLJdZ LJZ+ZÄdZ KÖZpÜ ÄdZJZpLJdZKÖZpÜ ÄdZJpÄ+ Ö ÜDZLJZÜ dZ LJZ+ZÄdZ LJZLJZÜ dZ KÖZpÜ ÄdZf GÖh ÜLJZPÜf LJZÄdZ LJZLJZÜhZpÜ GdZ ydZİ DZÝÖ GZLJZPÜf LJZÄdZ Ü ÄdZ : +DZ 3ZÜGÜJ3 pL DÖKÖDZLJGÖJÖÖf LJf

+η2pJÄ l2l5ý+ +η2p LJhGÜf YGÖ DÄ Ö ÜÖDZf 3GÜf : DÄ 0.75 Ä0.50 LJhGÜf KÜdZdZKoÄZKt ÖÜÜÖDZİ Hf f2hZDZ

+Ä odZ KÖf KÜdZdZKoÄZKt Ö ÜDZPÜf f2g+|ZÜhKÖf : DÄ .(0.74 - 0.49) LJhGÜ!

GJZdZÖ5KÖf KÜdZdZKf + Ö ÜÜT LJ f2ηKf +|ZÜhKÖf : DÄ) ÖGÄÖ İf 2 f20JfÄ (0.46) Ö 5J LJf f2hZ GÖ (0.63) LJZ+D . (0.58)U zDZDÄÜ0.54

+oT İf zÖPÜ+ÖÄ lZÄT f2ZÜ (1999) ZÜη GÜKÖf f2p ÖÄ zÖf+zÖT LJf DZÖ ÖΣ GdZÄ (General Health Questionnaire)+DZf)U2ÖpÄ f2Zg LJZÄ+DZ zÖ +Ö 5J KÖZÜf LJZÄGÖ LJf f2Zf İ DZDZPÜf +ÖG K|Ü . l2l5(60) LJZ GdZ LÄK (Goldberg 1972 +zDÄ +DZLJZ(%69.4)+LJh(684) GÖZ GÖ Üf LJZİ !Äf LJZ

[illegible]

18) || 6ijLPenijÄ Ü || !RLP 2 T†DŽ(²6) ĩ 6 yadžPp f p5+č !fÄ
 . ləöžKl6+ö6fÄ ləöžžč U5l2l5
 ĩ ÄokLPdžGir f2R f DžÖf Σ öföžLP||6f K6f2pf ýŰP LpžuoŰLj
 Lpž2fjž)fž 6fž 2†DKÜGdžžÖžfÄ+||6f Nf6jÖžK ləöž Kf2l5ĭ Džž
 6fž U5fžofÄ ŽGdžž öfÄ ýpDKf2l5ĭ Džž Äok6fjD(1998 Ü6fÄ ÄfÄ
 KÜGdžž9) Σ ök(SA-45) +6fž Lp6fjLj6fžÜ (1990Üĭ ĩ Ädžfž
 +hədzžÄT žöžK K5NjÖf K6f2pf LJÄ 6fž Ü l2l5 (45) +UfjÄu
 Kf2l5f LpžöžžfÄ+ž fÄ KÜGdžždžK Öf +öžžfÄ+č 5f K6fžÖr ű!
 . 6fž ĩNjýdžLpK ž2hžžöžfNÄ Öhžf LJÄf Ö5+Džž

KIRKUT 3E L 8PWNJHJF

JNINJHJFUDŽ3

tofof tofuf KEdaf OS Σ AĀAfHf +DZLdžf fdf ydždžAfK
LĀfĀ2006/2005 Ō fdf DĀDŽ fdf Df LdžLf ŷT DŽT FfĀ
.fĳ (22- 18) +ĀĀf +FĀDŽ

Ī DŽĀ +hAf āĀf dŽ DŽĀfĀf +ĀUĀfĀf Df fdf +Āf Āf
Ūfddž) +Āfuf KEdaf LhLdžKEdaf fĳ zĀf DŽt ō yof2dž
DZLdž ŪfĀTZ +ĀUfĳ znĀ ŪfĀ ŪĀ ūfĀ ŪĀ ĀĀfĀ ŪfĀfĀ
ŌS Ō fdf āĀf dŽ Σ LfĀf KĀf 2 DŽĀfĀf ŪfĀTZ ŷZTf KzĀf
ŪfĀf ŷ!Ā (1000) ŷZTf LfNjŌS +DŽ fĳ DZŪĀfĀf KEdaf
Ūf fdf āĀf dŽ ŷT σ fĳ fdf +Āf fĳDyĀĀf ūf Āf (1) DŽ ŷĀfĀf
. +ĀfĀ Ūf LfĀfĀ

(1) ŷĀfĳ

hĳfNz dĳfNz z fĳfNz Df z Ōh fĳfNz fĳfNz

		KĀf		fĳf		z dĳf	
ŪfĀf Īfĳf	ŪfĀf	hĳf	hĳf	ŪfĀf	hĳf	hĳf	hĳf
							Ī z fĳfNz Df
310	194	56	138	116	67	49	ĀfNj
218	153	46	107	65	27	38	hĳf
318	192	49	143	126	44	82	hĳf
154	67	28	39	87	46	41	hĳf
1000	606	179	427	394	184	210	ŪfĀf

(3) ህንጻ

ህንጻ ስራ ለማጠናቀቅ የሚያስፈልጉትን የገንዘብ መጠን ለማሳደግ የሚያስፈልጉትን የገንዘብ መጠን ለማሳደግ

ሰነድ ቁጥር	ፌ	ሰነድ ቁጥር	ሰነድ ቁጥር	ሰነድ ቁጥር	ሰነድ ቁጥር	ሰነድ ቁጥር
0.0199	1.648	32.998	1	32.998	2 ወር	ፋይናንስ
0.007	4.086	81.807	3	245.420	ሰነድ ቁጥር	
0.609	0.609	12.200	3	36.599	ሰነድ ቁጥር	
		20.019	990	19818.729	ወር	ፋይናንስ
0.00	51.223	856.319	1	856.319	2 ወር	
0.04	4.140	69.204	3	207.612	ሰነድ ቁጥር	
0.467	0.848	14.184	3	42.553	ሰነድ ቁጥር	ፋይናንስ
		16.718	990	16550.43	ወር	
0.160	1.973	24.540	1	24.540	2 ወር	
0.254	1.357	16.881	3	50.642	ሰነድ ቁጥር	ፋይናንስ
0.422	0.937	11.659	3	34.977	ሰነድ ቁጥር	
		12.437	990	12312.8	ወር	
0.00	19.436	354.863	1	354.863	2 ወር	ፋይናንስ
0.07	2.356	43.019	3	129.056	ሰነድ ቁጥር	
0.185	1.613	29.450	3	88.350	ሰነድ ቁጥር	
		18.258	990	18075.8	ወር	ፋይናንስ
0.00	104.842	1819.104	1	1819.104	2 ወር	
0.00	7.879	136.700	3	410.99	ሰነድ ቁጥር	ፋይናንስ
0.602	0.621	10.769	3	32.308	ሰነድ ቁጥር	
		17.351	990	17177	ወር	
0.007	7.240	156.608	1	156.608	2 ወር	ፋይናንስ
0.202	1.543	33.378	3	100.134	ሰነድ ቁጥር	
0.539	0.722	15.621	3	46.862	ሰነድ ቁጥር	
		21.631	990	21414.335	ወር	ፋይናንስ
0.008	7.037	138.491	1	138.491	2 ወር	
0.00	8.833	173.816	3	521.448	ሰነድ ቁጥር	
0.114	1.986	39.090	3	117.271	ሰነድ ቁጥር	ፋይናንስ
		19.679	990	19482.32	ወር	
0.00	22.623	418.121	1	418.121	2 ወር	
0.01	5.666	45.277	3	135.830	ሰነድ ቁጥር	ፋይናንስ
0.062	2.450	71.725	3	215.175	ሰነድ ቁጥር	
		18.482	990	18296.98	ወር	
0.001	10.743	197.814	1	197.814	2 ወር	ፋይናንስ
0.026	3.102	57.121	3	171.364	ሰነድ ቁጥር	
0.587	0.644	11.862	3	35.585	ሰነድ ቁጥር	
		18.413	990	18228.55	ወር	ፋይናንስ
0.00	25.939	18283.49	1	18283.49	2 ወር	
0.00	7.474	5267.878	3	15803.634	ሰነድ ቁጥር	
0.497	0.795	560.337	3	1681.010	ሰነድ ቁጥር	ፋይናንስ
		704.854	990	697805.23	ወር	

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Грѣхъ

[illegible]

: ÖÖŒ×Çσ Džřđ !f frNjLZ +Hú!Ă

[illegible]

NFf l|NjL00(4) yÄn:fÄ l2|gf NlgÖdZj Rf yGdz

(4) **ÜNGÜ**

Ü | HöyEoZhgE ÜEL fba|NǐDǎĚL ūjYǒŽ

HŮŤA Ž

 $2N \frac{N}{Nj}$

हृष्ट

HARRY

Σ ΝΟΔ Ζ

húspj

húgáP

56

f. 12v

1. **Účel**
Zpracování údajů

0.74

1

[illegible][illegible]

JNĴJUNŃǝ Ő ĘĂY h||EL JUB||hřDNjz |Et **Ზ QF**2.1.4
OŁĄż† +!ꞤdžjPř f.GłjLpčZhKČy Y Čo Dž **L JUQ**1.2.1.4
||!Ä+z Rf GÜGdzDžYGdy+Ä ý†† +|qđ ü! ÖĐřř ž ÇŘf + Szdz'Ç'
+|çZ Ä Ü+hGÄ Y!Ğ (1000)ÇğƳ çÖÄ +öŽ † jzcf +lō Z CAr Ö5

hřezh 2ř	ε nř	2 nř	f ř	5 ř	f ř
					0.50
			0.69		
		0.49			
	0.69				
0.70					

ÜYŦ ĆǺ ŁĲȧ) +ođŁ dżZzgdž KŮGdž LP(6) ýǺñf ŁdžŮr řö
||odž pŁ Kűčdzýřk+ōđǺ+č ťf U fzzŮř t őPTK+ŁđŁ KűGdž
. +!Ǻñłđžůk

+Hǒ ŭ ĭ ǝǝǝ! ǝǝǝf yǝǝǝ fǝǝǝ ǝǝǝ +Hǒ 5ǝ ǝǝǝ 2.2.2.2.4

6pžž Kžtk KŭGdž(9) ģnĀ Lž z T# ĩ RfĀ +đ Ğŭf KĜĀdž +|žOħ
 ĩ žž Křtřf KĜtk đž Őr Āö (7) ýĀmĴĀ +|đ Ğŭf Křtř5
 . (6pžž)ĜŭGdž

(7) ÜNGÜ

Ī þyŋŋj 2 200 þut ūllhe Hēl ūllhāp l 82 fūŋt l ūllōž

Lj	Σ f _A A _j	f _A A _j	f ₀ z _j	Σ p _j ²	Σ A _j B _j	f ₀ C _j	f ₀ z _j C _j	Y ₀ B _j	K ₂ z _j
								0.68	1
								0.76	2
								0.75	3
								0.65	4
								0.58	5
				0.62					13

				0.54					2\$
				0.54					3\$
				0.44					4\$
				0.61					5\$
		0.62							1R
		0.53							2R
		0.54							3R
		0.63							4R
		0.48							5R
0.60									1ùNj
0.66									2ùNj
0.58									3ùNj
0.64									4ùNj
0.64									5ùNj
					0.77				1Dž
					0.72				2Dž
					0.75				3Dž
					0.58				4Dž
					0.40				5Dž
			0.50						1Y
			0.73						2Y
			0.80						3Y
			0.41						4Y
			0.63						5Y
						0.65			1Θ
						0.68			2Θ
						0.61			3Θ
						0.53			4Θ
						0.49			5Θ
	0.70								1Ă
	0.62								2Ă
	0.55								3Ă
	0.52								4Ă
	0.39								5Ă
							0.36		1Lj
							0.59		2Lj
							0.70		3Lj
							0.63		4Lj
							0.70		5Lj
1.18	1.30	1.38	1.58	1.85	1.85	1.96	2.45	11.21	0.44
4.95	5.00	5.59	5.69	5.87	6.06	6.08	6.81	7.30	0.44

ccc

691.5	700.7	820.62	687.45	766.11	648.14	743.2	0.854
0.854	0.52	0.48	0.61	0.56	0.56	0.58	0.22
0.22	-0.04	0.371	0.472	0.19	0.07	0.19	130
130	143	168	163	106	136	170	143

||!#Ā + 0Pž + ZĀdž f25GfDyčĀK Lp(8) ýĀfĥf Ldžboŭö
Ldžbop žčĀK fĀZĀč fĥ f2pf + lč + lč Ů ĭ žžččdž KĀĀdž
.Özŭf

ýĥ ĭ žž Ůĥ + lč Ů ĭ žžčč KĀčpf ýčĀok DčPĥ ĭ ž
ĭ ččžž f2pfĀ (50)Ů Āĥč KĀžž Ldžbop čž !gčŮčdž džčdž
ýĥ + lčDžĥŮŮ||ĤĀ Dč + džž ýĥ! + dčdž Ůčf Ůčσ DĀ Ů(10)
:Öčf Āčf ĭ žž!Ĥ ŮŮf KĀĀdž džžĀdžž! + lčĀ

+ dčdž Ůčf Ůčσ DĀDč + džž ýĥ! + dčdž + ččdž + džžf Ůčσ Dž
ĭ !gčžĀĀ Özŭf ĭ lčdž KokKĀčdž fčĥDč + džž ýĥ! + dčdž
ŮčfĀ + ččf + džžf Lp(Ů) žčDžž ýĀfĥfĀ + ččdž + džžf ččč
KŮčdž džčdžž ĭ žžLp KĀĀdžž Dčf KĀžžDždž + dčdž
.fĥf2pf

DččŮčdž + lč Ů ĭ žžf f2pf + lč ččDLdž|Kdž čččdž ČĀ ŮĀ
ĀNjdžĀ ŮččŮčdž + lč Ů ĭ žžĥč ččDč č + ččKĀč f2pf
LdžLpŮŮč yčp + džž (60) + džžf Kččf + č (ŮNj žčDžž fčĀ
. (p)žčDžžč + ččf KĀč Ů Ů LdžĀčŮ Ů LdžĀčŮ

UWQZ

HUWUWQZ

- ÜZNF Ü **UDUEZ ZPZ**. (1998) Yfz ZÄZ ZÄZ f fZ ÜWZf
 +ZT dZ ÄDZf +fZ
 ÜZNF Ü **ZPZ fDZNF QZDZ**. (1982) ÖZ Z ÜÜ ÄZf
 .YfDZf +ZdZ fZf
 fZf ÜZNF **ZPZ** fudZ **HU QLEUT**. (1986) ZÄZ ÄZ Qf
 .YfDZf +ZT dZ
 .fZf Zf ÜZNF **UDUEZ ZPZ ÄZ** (1987) fDZ Zf
 +!Z Ü **UDUEZ** fZf **UDUEZ** fZf **UDUEZ**. (1997) ZÄZ ÜZ
 . LfZf ÜZf ÜZ ÄZf +ZdZ ÜZÄZ ZÄZ ZÄZ
 .f fZf YfZf Zf ÜZf Ü **HU QLEZ**. (1999) äZ Zf
 .ÖZf Zf Zf ÜZNF Ü **HU QLEZ**. (1986) fZ ÜZ
 fZf ZNF ÜZf ZÄZ dZ **UDUEZ ZPZ**. (2004) fZ ÜZ
 .ZÄZ +ZÄZ
 yZÄZ ZÄZ fZf Zf ÜZf ÜZ **UDUEZ**. (1999) ZÄZ Ü ZNF
UDUEZ **UDUEZ** **UDUEZ** f **UDUEZ**. (1984) YZ Z fZf
 .ZÄZf ÜZÄZ **UDUEZ**
 .YfZf ZÄZ ÜZNF Ü **ZPZ ÜZNF ZPZ**. (1978) fZ ÜZf
 fZf Zf ÜZNF **UDUEZ ÜZNF ZPZ**. (1998) fDZ ZÄZ
 .fZf
 .YfZf ZÄZ ÜZNF Ü **UDUEZ ZPZ**. (1997) YZf Ü Z
 .fZf Zf ÜZf ÜZ **UDUEZ** **UDUEZ**. (1994) fDZ ZÄZ
 .fZf

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HŲYĖI KŲ / f HŲYĖI Ų

❖ إذا كنت لا توافق بشدة على محتوى الفقرة، أو إذا كانت الفقرة خاطئة تماماً فضع إشارة X تحت البديل (إطلاقاً) إزاء الفقرة

❖ إذا كنت غير موافق على محتوى الفقرة، أو إذا كانت الفقرة خاطئة فضع إشارة X تحت (البديل قليلاً) إزاء الفقرة .

❖ إذا كنت محايداً بالنسبة لمحتوى الفقرة ، أي إذا كنت غير قادر على اتخاذ القرار أو إذا كانت الفقرة تحتل الصحة والخطأ بشكل متساوٍ ، فضع إشارة X تحت البديل (أحياناً) .

❖ إذا كنت موافقاً على محتوى الفقرة ، أو إذا كانت الفقرة صحيحة بشكل كبير ، فضع إشارة X تحت البديل كبيرة إزاء الفقرة .

❖ إذا موافق بشدة على محتوى الفقرة ، أو إذا كانت الفقرة صحيحة تماماً فضع إشارة X تحت البديل (كبيرة جداً) إزاء الفقرة .

- أختَر فقط إجابة واحدة لكل
فقرة ، وأجب عن جميع
الفقرات وتأكد من اختيارك
للإجابة التي تنطبق على
حالتك . وإذا أردت تغيير
إجابتك فشطّب على إجابتك
ثم ضع إشارة X تحت رمز
البديل الصحيح .
- أرجو إملأ المعلومات
الواردة في أعلا الصفحة
التالية قبل البدء بالإجابة .

(f) 50pž

Nf2Nj ƒMfNj 2 2Nf ƒUŦ Üƒ ƒNŦ ŶŦŦ hŦŦE ŦŦ

L ƒŦŦŦŦŦŦŦ

الاسم:----- المستوى الدراسي:----- الجنس: ذكر ☐ أنثى ☐
 الكلية:----- التاريخ: 2006 /

ملاحظات أخرى:-----

فيما يلي قائمة من الأعراض التي تواجه الفرد أحياناً .
 الرجاء قراءة كل فقرة من الفقرات بعناية ثم ضع إشارة (X) في المربع الذي يناسب
 الوصف الأمثل لدرجة انطباق مضمون كل فقرة من الفقرات التالية على حالتك خلال السبع أيام
 الماضية بما فيها اليوم الحالي.

الرقم	الفقرة	كبيرة جداً	كبيرة	أحياناً	قليلة	إطلاقاً
1	الشعور بالوحدة .	5	4	3	2	1
2	الشعور بالكآبة .	5	4	3	2	1
3	اللامبالاة في مواجهة الأشياء.	5	4	3	2	1
4	الشعور بالخوف .	5	4	3	2	1
5	الشعور أن هناك من يتحكم بأفكاري.	5	4	3	2	1
6	أوجه اللوم للآخرين بمعظم مشاكلي .	5	4	3	2	1

7	الشعور بالخوف من المناطق المفتوحة والشوارع	5	4	3	2	1
8	أسمع أصوات غريبة لا يسمعها الآخرون .	5	4	3	2	1
9	الشعور بعدم الثقة في الناس .	5	4	3	2	1
10	الشعور بالفرع فجأة وبدون سبب .	5	4	3	2	1
11	أغضب بشكل مفاجئ ولا أتمكن من التحكم في ذلك	5	4	3	2	1
12	أشعر بالخوف من الخروج من المنزل لوحدي .	5	4	3	2	1
13	الشعور أن الآخرين على دراية بأفكاري الخاصة .	5	4	3	2	1
14	الشعور أن الآخرين لا يفهموني أو غير متعاطفين معي .	5	4	3	2	1
15	الشعور أن الآخرين غير ودودين معي أو أنهم لا يحبوني .	5	4	3	2	1
16	أقوم بالأعمال ببطء لضمان دقة العمل .	5	4	3	2	1
17	الشعور بالغربة عن الآخرين .	5	4	3	2	1
18	الشعور بأنني متوتر.	5	4	3	2	1
19	الشعور أنني مراقب أو يتحدث عني الآخرون.	5	4	3	2	1
20	الشعور بضرورة التأكد من عملي أكثر من مرة.	5	4	3	2	1
21	أواجه صعوبة في اتخاذ القرارات.	5	4	3	2	1
22	الشعور بالخوف من السفر في الباصات أو المركبات في الطرق المنحدرة .	5	4	3	2	1
23	الشعور بنوبات حرارة أو برد .	5	4	3	2	1
24	أتجنب أشياء معينة أو أماكن أو نشاطات لأنها تخيفني .	5	4	3	2	1
25	تلح علي نفس الأفكار .	5	4	3	2	1
26	الشعور بنمنمة في أجزاء من جسمي .	5	4	3	2	1
27	الشعور بتشاؤم من المستقبل .	5	4	3	2	1
28	أواجه صعوبة في التركيز .	5	4	3	2	1
29	الشعور بالضعف في بعض من أجزاء جسمي .	5	4	3	2	1
30	الشعور بالتوتر أو أنني غير قادر على عمل شيء	5	4	3	2	1
31	الشعور بالثقل في يدي أو رجلي .	5	4	3	2	1
32	الشعور بعدم الراحة عند مراقبة الناس لي أو عندما يتحدثون عني .	5	4	3	2	1
33	الشعور أن أفكاري مستمدة من الآخرين .	5	4	3	2	1

1	2	3	4	5	الشعور برغبة لضرب أو جرح أو إيذاء الآخرين.	34
1	2	3	4	5	الشعور برغبة لكسر أو تحطيم الأشياء .	35
1	2	3	4	5	أبدو حرصاً شديداً في سلوكياتي ومظهري أمام الآخرين .	36
1	2	3	4	5	الشعور بعدم الارتياح عند وجودي بين الحشود من الناس كما في التسوق أو عند حضور فيلم .	37
1	2	3	4	5	الشعور بنوبات من الرهاب أو الفزع .	38
1	2	3	4	5	أدخل في جدل وبشكل متكرر .	39
1	2	3	4	5	الشعور أن الآخرين لا يقدرّون إنجازاتي تقديراً ملائماً .	40
1	2	3	4	5	الشعور بصعوبة الإستمرار في الجلوس في مكان واحد.	41
1	2	3	4	5	الشعور أنني لا قيمة لي .	42
1	2	3	4	5	أصرخ وارمي الأشياء .	43
1	2	3	4	5	الشعور أن الآخرين سوف يستغلوني إذا سمحت لهم .	44
1	2	3	4	5	الشعور أنني يجب أن أعاقب على خطاياي.	45

(١) 50PŽ

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(9) **UNJ**

UNJ

UNJ	UNJ	UNJ	UNJ	UNJ	UNJ	UNJ	UNJ	UNJ
UNJ	UNJ	UNJ	UNJ	UNJ	UNJ	UNJ	UNJ	UNJ
89.55	62.56	141	34.66	46.06	96	1.94	28.8	45
90.20	62.93	142	36.03	46.42	97	2.20	29.08	47
90.82	63.30	143	37.41	46.79	98	2.30	29.92	52
91.46	63.66	145	38.81	47.16	99	2.43	30.28	53
91.97	64.03	146	40.22	47.52	100	2.88	31.02	55
93.01	64.67	147	41.64	47.89	101	3.40	31.75	57
93.49	65.13	148	43.08	48.26	102	3.69	32.12	58
93.84	65.50	149	44.53	48.62	103	3.99	32.48	59
94.37	65.86	150	45.98	48.99	104	4.32	32.85	60
94.77	66.23	151	47.44	49.36	105	4.66	33.22	61
95.15	66.60	152	48.90	49.72	106	5.43	33.95	62
95.51	66.96	153	50.36	50.09	107	5.43	33.95	63
95.85	67.33	154	51.82	50.46	108	5.84	34.32	64
96.16	67.70	155	53.29	50.82	109	6.28	34.68	65
96.49	68.06	156	54.74	51.19	110	6.75	35.05	66
96.73	68.43	157	56.19	51.56	111	7.24	35.42	67
96.99	68.80	158	57.63	51.92	112	7.76	35.79	68
97.23	69.15	159	59.06	52.59	113	8.31	36.15	69
97.46	69.53	160	60.48	52.66	114	8.88	36.52	70
97.67	69.90	161	61.89	53.03	115	9.49	36.89	71
97.86	70.27	162	63.28	53.39	116	10.12	37.25	72
98.05	70.63	163	64.65	53.76	117	10.78	37.62	73
98.37	71.37	164	66.00	54.13	118	11.48	37.99	74
98.43	71.37	165	67.34	54.49	119	12.21	38.35	75
98.51	71.73	166	68.94	54.86	120	12.97	38.72	76
98.64	72.10	167	69.94	55.23	121	13.76	39.09	77
98.77	72.47	168	71.20	55.59	122	14.58	39.45	78
99.08	73.57	171	72.44	55.96	123	15.43	39.82	79
99.25	74.30	173	73.65	56.33	124	16.32	40.19	80
99.32	74.67	174	74.84	56.69	125	17.24	40.55	81
99.45	75.40	176	75.99	57.60	126	18.20	40.92	82
99.55	76.13	178	77.12	57.43	127	19.18	41.29	83
99.68	77.23	181	78.21	57.79	128	20.20	41.65	84
99.71	77.60	182	79.28	58.16	129	21.25	42.02	85
99.74	78.03	183	81.31	58.89	131	22.33	42.39	86
99.86	78.80	188	82.28	59.26	132	23.44	42.75	87
99.97	79.57	201	83.22	59.63	133	24.58	43.12	87
99.99	79.90	208	84.12	59.99	134	25.75	43.49	89
100.00	80.71	215	84.99	60.36	135	26.94	43.85	90
			85.83	60.73	136	28.17	44.22	91
			86.64	61.10	137	29.42	44.59	92
			87.41	61.46	138	30.70	44.96	93
			88.16	61.83	139	32.00	45.32	94
			88.87	62.20	140	33.32	45.96	95

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82.05	59.17	124	32.37	45.43	89	1.044	28.14	45
83.06	59.57	125	33.79	45.82	90	1.76	28.93	47
84.03	59.96	126	35.24	46.21	91	2.80	30.89	52
84.97	60.35	127	36.71	46.60	92	3.06	31.28	53
85.87	60.74	128	38.20	47.00	93	4.32	32.86	57
86.23	61.14	129	39.70	47.39	94	4.70	33.25	58
87.55	61.53	130	41.22	47.78	95	5.09	33.64	59
88.34	61.92	131	42.76	48.17	96	5.52	34.03	60
89.09	62.32	132	44.31	48.57	97	5.97	34.43	61
89.81	62.71	133	45.86	48.96	98	6.45	34.82	62
90.49	63.10	134	47.42	49.35	99	6.96	35.12	63
91.14	63.49	135	48.99	49.75	100	7.50	35.61	64
91.75	63.89	136	50.55	50.14	101	8.07	36.00	65
92.33	64.28	137	52.12	50.53	102	8.68	36.39	66
92.88	64.67	138	53.68	50.92	103	9.31	36.78	67
93.40	65.07	139	55.24	51.32	104	9.99	37.18	68
94.35	65.85	141	56.79	51.71	105	10.69	37.57	69
94.78	66.24	142	58.33	52.10	106	11.43	37.96	70
95.19	66.64	143	59.85	52.50	107	12.21	38.36	71
95.57	67.03	144	61.37	52.89	108	13.03	38.75	72
95.93	67.42	145	62.86	53.28	109	13.88	39.14	73
96.57	68.21	147	64.33	53.67	110	14.76	39.53	74
96.86	68.6	148	65.79	54.07	111	16.65	4.032	75
97.12	68.99	149	67.22	54.46	112	17.65	40.71	77
97.37	69.39	150	68.62	54.85	113	18.69	41.10	78
97.82	70.17	152	70.00	55.25	114	19.76	41.5	79
98.01	70.56	153	71.36	55.64	115	20.87	41.89	80
98.66	72.14	157	72.68	56.03	116	22.01	42.28	81
99.11	73.71	161	73.97	56.42	117	23.20	42.68	82
99.20	74.1	162	75.23	56.82	118	24.41	43.07	83
99.43	75.28	165	76.45	57.21	119	25.66	43.46	84
99.54	76.06	167	77.64	57.60	120	26.94	43.85	85
99.71	77.63	171	78.80	57.99	121	28.25	44.25	86
99.78	78.42	173	79.92	58.39	122	29.06	44.64	87
99.80	78.81	174	81.00	58.78	123	30.97	45.30	88
99.92	81.56	181						

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85.49	60.58	140	36.27	46.49	101	2.21	29.87	55
86.30	60.94	141	37.64	46.85	102	3.62	32.04	61
87.08	61.30	142	39.02	47.21	103	3.92	32.7	62
87.82	61.66	143	40.41	47.57	104	4.57	33.12	64
88.54	62.02	144	41.82	47.93	105	4.93	33.48	65
89.22	62.39	145	43.23	48.30	106	5.31	33.84	66
89.88	62.75	146	44.66	48.66	107	5.71	34.20	67
90.50	63.11	147	46.09	49.02	108	6.59	34.93	69
91.10	63.47	148	47.52	49.38	109	7.06	35.29	70
91.67	63.83	149	48.96	49.74	110	7.56	35.65	71
92.21	64.19	150	50.40	50.10	111	8.09	36.01	72
92.72	64.55	151	51.85	50.46	112	8.65	36.37	73
93.21	64.91	152	53.28	50.82	113	9.23	36.73	74
94.11	65.64	154	54.72	51.19	114	9.84	37.10	75
94.52	66.00	155	56.15	51.55	115	10.49	37.46	76
94.91	66.36	156	57.57	51.91	116	11.16	37.82	77
95.27	66.72	157	58.98	52.27	117	11.86	38.18	78
95.62	67.08	158	60.37	52.63	118	12.59	38.54	79
95.94	67.44	159	61.76	52.99	119	13.35	38.90	80
96.25	67.80	160	63.13	53.35	120	14.15	39.26	81
96.54	68.70	161	64.48	23.71	121	15.83	39.62	82
96.80	68.53	162	65.82	54.08	122	16.72	39.99	83
97.05	68.89	163	67.14	54.44	123	16.72	40.35	84
97.29	69.25	164	68.43	54.80	124	17.64	40.71	85
97.51	69.61	165	69.71	55.16	125	18.59	41.07	86
97.71	69.67	166	70.96	55.52	126	19.57	41.43	87
97.90	70.33	167	72.18	55.88	127	20.59	41.79	88
98.07	70.69	168	73.38	56.24	128	21.63	42.15	89
98.78	72.50	173	74.55	56.60	129	22.71	42.51	90
98.89	72.86	174	75.60	56.97	130	23.81	42.88	91
99.08	73.59	176	76.81	57.33	131	24.94	43.24	92
99.25	74.31	178	77.90	57.69	132	26.10	43.60	93
99.50	75.75	182	78.76	58.05	133	27.29	43.96	94
99.55	76.11	183	79.99	58.41	134	28.50	4432	95
99.74	77.92	188	80.98	58.77	135	29.74	4468	96
99.94	82.62	201	81.95	59.13	136	31.01	45.04	97
99.98	85.15	208	82.88	59.49	137	32.29	45.40	98
99.99	87.68	215	83.78	59.86	138	33.60	45.77	99
			84.66	60.22	139	34.93	46.13	100

(12) \bar{u}_{N1}

f \bar{u}_{N1} \bar{u}_{N2} \bar{u}_{N3} \bar{u}_{N4} \bar{u}_{N5} \bar{u}_{N6}

\bar{u}_{N1}	\bar{u}_{N2}	\bar{u}_{N3}	\bar{u}_{N4}	\bar{u}_{N5}	\bar{u}_{N6}
82.25	59.25	16	6.46	34.83	5
87.43	61.47	17	9.76	37.50	6
91.45	63.69	18	14.16	39.27	7
94.42	65.91	19	19.74	41.49	8
96.51	68.13	20	26.46	43.71	9
97.91	70.35	21	34.20	45.93	10
98.80	72.57	22	42.66	48.15	11
99.34	74.79	23	51.47	50.37	12
99.65	77.01	24	60.21	52.59	13
99.83	79.23	25	68.47	54.81	14
			75.89	57.03	15

(13) \bar{u}_{N1}

f \bar{u}_{N1} \bar{u}_{N2} \bar{u}_{N3} \bar{u}_{N4} \bar{u}_{N5} \bar{u}_{N6}

\bar{u}_{N1}	\bar{u}_{N2}	\bar{u}_{N3}	\bar{u}_{N4}	\bar{u}_{N5}	\bar{u}_{N6}
85.97	60.79	16	6.48	34.84	5
90.57	63.15	17	10.03	37.20	6
93.95	65.51	18	14.83	39.56	7
96.30	67.87	19	20.95	41.92	8
97.84	70.23	20	28.36	44.28	9
98.80	72.58	21	36.83	46.64	10
99.37	74.94	22	46.00	49.00	11
99.68	77.30	23	55.39	51.36	12
99.85	79.66	24	64.48	53.71	13
99.93	82.02	25	72.82	56.07	14
			80.04	58.43	15

(14) \bar{u}_{N1}

f \bar{u}_{N1} \bar{u}_{N2} \bar{u}_{N3} \bar{u}_{N4} \bar{u}_{N5} \bar{u}_{N6}

\bar{u}_{N1}	\bar{u}_{N2}	\bar{u}_{N3}	\bar{u}_{N4}	\bar{u}_{N5}	\bar{u}_{N6}
96.77	68.49	16	10.27	37.34	5
98.35	71.32	17	16.28	40.17	6
99.21	74.15	18	24.20	43.00	7
99.65	76.98	19	33.85	45.83	8
99.86	79.81	20	44.69	48.66	9
99.95	82.64	21	55.95	51.50	10
99.98	85.84	22	66.74	54.33	11
99.99	88.31	23	76.30	57.66	12
100	93.97	24	84.11	59.99	13
			90.01	62.82	14
			94.13	65.65	15

(15) $\bar{u}n_{ij}$

$\bar{u}n_{ij}$					
$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$
78.58	57.92	16	4.06	32.56	5
84.67	60.22	17	6.51	34.87	6
89.49	62.53	18	9.98	37.17	7
93.10	64.83	19	14.64	39.48	8
95.67	67.14	20	20.56	41.78	9
97.41	69.44	21	27.72	44.09	10
98.52	71.75	22	35.92	46.39	11
99.19	74.06	23	27.72	44.09	12
99.58	76.36	24	54.00	51.00	13
99.79	78.67	25	62.96	53.31	14
			71.27	55.61	15

(16) $\bar{u}n_{ij}$

$\bar{u}n_{ij}$					
$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$
88.48	61.99	16	10.61	37.52	5
92.24	64.22	17	15.27	39.75	6
94.99	66.44	18	21.11	41.97	7
96.90	68.66	19	28.09	44.20	8
98.16	70.89	20	36.02	46.42	9
98.96	73.11	21	44.62	48.65	10
99.44	75.34	22	53.47	50.87	11
99.71	77.56	23	62.15	53.09	12
99.86	79.79	24	70.26	55.32	13
99.93	82.01	25	77.44	57.54	14
			83.57	59.77	15

(17) $\bar{u}n_{ij}$

$\bar{u}n_{ij}$					
$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$	$\bar{u}n_{ij}$
71.14	55.58	16	3.03	31.24	5
78.19	57.79	17	4.90	33.45	6
84.13	60.00	18	7.59	35.67	7
88.90	62.21	19	11.27	37.88	8
92.54	64.42	20	16.09	40.09	9
95.19	66.64	21	22.07	42.30	10
97.03	68.85	22	29.17	44.52	11
98.24	71.06	23	37.17	46.73	12
99.00	73.27	24	45.78	48.94	13
99.46	75.48	25	54.58	51.15	14
			63.17	53.36	15

(18) $\bar{u}n\bar{u}$. $\bar{h}z\bar{e}q\bar{e}j\bar{u}d\bar{z}\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}b\bar{u}j\bar{e} \bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}b\bar{u}j\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$

$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{u}j\bar{e}h\bar{u}j\bar{e}$
71.14	55.58	16	3.03	31.24	5
78.19	57.79	17	4.90	33.45	6
84.13	60.00	18	7.59	35.67	7
88.90	62.21	19	11.27	37.88	8
92.54	64.42	20	16.09	40.09	9
95.19	66.64	21	22.07	42.30	10
97.03	68.85	22	29.17	44.52	11
98.24	71.06	23	37.17	46.73	12
99.00	73.27	24	45.78	48.94	13
99.46	75.48	25	54.58	51.15	14
			63.17	53.36	15

(19) $\bar{u}n\bar{u}$. $\bar{z}\bar{n}\bar{z}\bar{e}j\bar{u}d\bar{z}\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}b\bar{u}j\bar{e} \bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}b\bar{u}j\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$

$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{u}j\bar{e}h\bar{u}j\bar{e}$
58.96	52.27	16	1.22	27.49	5
67.43	54.52	17	2.14	29.74	6
75.08	56.77	18	3.59	31.99	7
81.66	59.02	19	5.76	34.25	8
87.03	61.28	20	8.85	36.50	9
91.20	63.53	21	13.03	38.75	10
94.27	65.78	22	18.41	41.00	11
96.43	68.03	23	25.00	43.26	12
98.88	70.29	24	32.67	45.51	13
99.79	72.54	25	41.14	47.76	14
			50.05	50.01	15

(20) $\bar{u}n\bar{u}$. $\bar{h}z\bar{z}h\bar{z}\bar{e}j\bar{u}d\bar{z}\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}b\bar{u}j\bar{e} \bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}b\bar{u}j\bar{e} \bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$

$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}l\bar{d}\bar{u}j\bar{e}$	$\bar{h}\bar{u}j\bar{e}h\bar{u}j\bar{e}$	$\bar{u}j\bar{e}h\bar{u}j\bar{e}$
86.90	61.22	16	7.82	35.83	5
91.19	63.53	17	11.78	38.14	6
94.33	65.83	18	16.97	40.45	7
96.52	68.14	19	23.44	42.75	8
97.96	70.45	20	31.07	45.06	9
98.86	72.76	21	39.63	47.37	10
99.39	75.06	22	48.72	49.68	11
99.69	77.38	23	57.87	51.99	12
99.85	79.68	24	66.62	54.29	13
99.93	81.99	25	74.55	56.60	14
			81.36	58.91	15

(21) $\bar{u}n_{ij}$					
f_{ij} \bar{u}_{ij} \bar{u}_{ij}^2 \bar{u}_{ij}^3 \bar{u}_{ij}^4 \bar{u}_{ij}^5					
\bar{u}_{ij}	\bar{u}_{ij}^2	\bar{u}_{ij}^3	\bar{u}_{ij}^4	\bar{u}_{ij}^5	\bar{u}_{ij}^6
84.40	60.11	16	6.68	35.08	5
89.22	62.38	17	10.30	37.35	6
92.87	64.66	18	14.99	39.63	7
95.84	66.94	19	20.91	41.91	8
97.26	69.21	20	28.03	44.18	9
98.42	71.49	21	36.15	46.46	10
99.13	73.76	22	44.95	48.73	11
99.054	76.04	23	54.01	51.01	12
99.77	78.31	24	62.87	53.28	13
99.89	80.89	25	71.08	55.56	14
			78.33	57.83	15

(22) $\bar{u}n_{ij}$					
f_{ij} \bar{u}_{ij} \bar{u}_{ij}^2 \bar{u}_{ij}^3 \bar{u}_{ij}^4 \bar{u}_{ij}^5					
\bar{u}_{ij}	\bar{u}_{ij}^2	\bar{u}_{ij}^3	\bar{u}_{ij}^4	\bar{u}_{ij}^5	\bar{u}_{ij}^6
94.63	66.1	16	8.11	36.02	5
97.02	68.84	17	13.04	38.75	6
98.45	71.57	18	19.74	41.49	7
99.25	74.31	19	28.18	44.22	8
99.66	77.04	20	38.05	46.96	9
99.85	79.78	21	48.78	49.69	10
99.94	82.51	22	59.59	52.43	11
99.99	87.98	24	69.72	55.16	12
100.00	90.72	25	78.52	57.90	13
			85.68	60.63	14
			90.94	63.37	15

(23) $\bar{u}n_{ij}$					
f_{ij} \bar{u}_{ij} \bar{u}_{ij}^2 \bar{u}_{ij}^3 \bar{u}_{ij}^4 \bar{u}_{ij}^5					
\bar{u}_{ij}	\bar{u}_{ij}^2	\bar{u}_{ij}^3	\bar{u}_{ij}^4	\bar{u}_{ij}^5	\bar{u}_{ij}^6
5..97	68.89	16	11.63	38.06	5
98.50	71.69	17	18.05	4.87	6
99.28	74.49	18	26.33	43.67	7
99.68	77.30	19	36.21	46.47	8
99.87	80.10	20	47.10	49.27	9
99.95	82.90	21	58.22	52.08	10
99.98	85.70	22	68.71	54.88	11
100.00	94.11	25	77.88	57.68	12
			85.27	60.48	13
			90.80	63.28	14
			94.62	66.09	15

(24) $\bar{u}n_{ij}$					
f_{ij} \bar{u}_{ij} \bar{u}_{ij}^2 \bar{u}_{ij}^3 \bar{u}_{ij}^4 \bar{u}_{ij}^5					

h ₁	h ₂	!j ₁	h ₁	h ₂	!j ₁
84.87	60.84	16	5.07	33.62	5
89.52	62.55	17	8.13	36.03	6
93.27	64.96	18	12.39	38.44	7
95.88	67.37	19	18.02	40.85	8
97.60	69.78	20	25.03	43.27	9
98.68	72.19	21	33.27	45.68	10
99.31	74.60	22	42.41	48.09	11
99.65	77.01	23	51.98	50.50	12
99.84	79.42	24	61.44	52.91	13
100.00	84.83	25	70.26	55.32	14
			78.02	57.73	15

(25) **ÜNGÜ**

[illegible]

Нүгдэл	Нүгдэл	Нүгдэл	Нүгдэл	Нүгдэл	Нүгдэл
98.30	71.20	16	14.68	39.50	5
99.20	74.08	17	22.31	42.38	6
99.65	76.96	18	31.79	45.26	7
99.75	99.65	20	42.64	48.14	8
99.98	99.98	21	54.09	51.03	9
100.00	100.00	25	65.20	53.91	10
			75.14	56.79	11
			83.33	59.67	12
			89.53	62.55	13
			93.87	65.44	14
			96.65	68.32	15

(26) **ÜNGÜ**

. HsEJUDZr FNJFhZ bG!JQEL JDZr hGfZndGfz HfNjGfEL JDZr

Һүҙҙең	Һүҙҙең	!Үҙҙең	Һүҙҙең	Һүҙҙең	!Үҙҙең
81.57	58.99	16	7.88	35.87	5
86.63	61.09	17	11.45	37.97	6
90.65	63.19	18	16.04	40.07	7
93.69	65.30	19	21.70	42.18	8
95.91	67.40	20	28.36	44.28	9
97.44	69.50	21	35.86	46.38	10
97.46	71.60	22	43.96	48.48	11
99.11	73.70	23	52.32	50.58	12
99.51	75.81	24	60.58	52.68	13
99.74	77.91	25	68.39	54.79	14
			75.45	56.89	15

(27) **ÜNGÜ**

. h2Je eEjUDZr tNpEdY bCj!JQEL JdZj||h2bEjZndZj h2NjJhEL JdZjE

ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር	ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር
75.58	56.93	16	3.72	32.16	5
82.07	59.18	17	5.95	34.41	6
87.35	61.43	18	9.11	36.66	7
91.44	63.68	19	13.38	38.91	8
94.45	65.94	20	18.85	41.16	9
96.55	68.19	21	25.51	43.42	10
97.95	70.44	22	33.24	45.67	11
98.84	72.69	23	41.76	47.92	12
99.37	74.94	24	50.69	50.17	13
99.67	77.20	25	59.58	52.42	14
			68.00	54.68	15

(28) ህንጻ

. 2 ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር

ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር	ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር
65.65	54.03	16	2.73	30.78	5
73.05	56.14	17	4.35	32.89	6
79.55	58.26	18	6.69	35.00	7
85.01	60.37	19	9.88	37.12	8
89.40	62.48	20	14.08	39.23	9
92.78	64.60	21	19.34	41.35	10
95.26	66.71	22	25.65	43.46	11
97.01	68.82	23	32.90	45.57	12
98.19	70.94	24	40.85	47.69	13
99.84	73.05	25	49.21	49.80	14
			57.59	51.91	15

(29) ህንጻ

ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር

ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር	ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር
92.01	64.06	16	7.69	35.74	5
95.19	66.63	17	12.13	38.31	6
97.26	69.21	18	18.11	40.89	7
98.53	71.78	19	25.66	43.46	8
99.26	74.36	20	34.59	46.04	9
99.65	76.93	21	44.48	48.61	10
			54.72	51.19	11
			64.66	53.76	12
			73.68	56.34	13
			81.35	58.91	14
			87.46	61.48	15

(30) ህንጻ

f ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር ከጋራ ጋር

ከጋላጥሪ ቀን	ከጋላጥሪ ወር	የቀን ቁጥር	ከጋላጥሪ ቀን	ከጋላጥሪ ወር	የቀን ቁጥር
82.25	59.25	16	6.64	34.83	5
87.43	61.47	17	9.76	37.05	6
91.45	63.69	18	14.16	39.27	7
94.42	65.91	19	19.74	41.49	8
96.51	68.13	20	26.46	43.71	9
97.91	70.35	21	34.20	45.93	10
98.80	72.57	22	42.66	48.15	11
99.34	74.79	23	51.47	50.37	12
99.65	77.01	24	60.21	52.59	13
99.83	79.23	25	68.47	54.81	14
			75.89	57.03	15

(31) ስርዓት

. ከጋላጥሪ ቀን ከጋላጥሪ ወር የቀን ቁጥር ከጋላጥሪ ቀን ከጋላጥሪ ወር የቀን ቁጥር

ከጋላጥሪ ቀን	ከጋላጥሪ ወር	የቀን ቁጥር	ከጋላጥሪ ቀን	ከጋላጥሪ ወር	የቀን ቁጥር
85.97	60.79	16	6.48	34.84	5
90.57	63.15	17	10.03	37.20	6
93.95	65.51	18	14.83	39.56	7
96.30	67.87	19	20.95	41.92	8
97.84	70.23	20	28.36	44.28	9
98.80	72.58	21	36.83	46.64	10
99.37	74.94	22	46.00	49.00	11
99.68	77.30	23	55.39	51.36	12
99.85	79.66	24	64.48	53.71	13
99.93	82.02	25	72.82	56.07	14
			80.04	58.43	15

(32) ስርዓት

. ከጋላጥሪ ቀን ከጋላጥሪ ወር የቀን ቁጥር ከጋላጥሪ ቀን ከጋላጥሪ ወር የቀን ቁጥር

ከጋላጥሪ ቀን	ከጋላጥሪ ወር	የቀን ቁጥር	ከጋላጥሪ ቀን	ከጋላጥሪ ወር	የቀን ቁጥር
96.77	68.49	16	10.27	37.34	5
98.35	71.32	17	16.28	40.17	6
99.21	74.15	18	24.20	43.00	7
99.65	76.98	19	33.85	45.83	8
99.86	79.81	20	44.85	48.66	9
99.95	83.64	21	55.95	51.50	10
99.99	88.31	23	66.74	54.33	11
			76.30	57.16	12
			84.11	59.99	13
			90.01	62.82	14
			94.03	65.65	15

(33) ስርዓት

. ከጋላጥሪ ቀን ከጋላጥሪ ወር የቀን ቁጥር ከጋላጥሪ ቀን ከጋላጥሪ ወር የቀን ቁጥር

ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር	ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር
78.58	57.92	16	4.06	32.56	5
84.67	60.22	17	6.51	34.87	6
89.49	62.53	18	9.98	37.17	7
93.10	64.83	19	14.64	39.48	8
95.67	67.14	20	20.56	41.78	9
97.41	69.44	21	27.72	44.09	10
98.52	71.75	22	35.92	46.39	11
99.19	74.06	23	44.82	48.70	12
99.58	76.36	24	54.00	51.00	13
99.79	78.67	25	62.96	53.31	14
			71.27	55.61	15

(34) ስርዓት

. ከጋራ ጋር ጋራ ጋር ጋራ ጋር ጋራ ጋር ጋራ ጋር

ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር	ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር
86.96	61.25	16	10.17	37.27	5
91.03	63.43	17	14.59	39.46	6
94.07	65.60	18	20.15	41.64	7
96.23	67.78	19	26.82	43.82	8
97.70	69.96	20	34.44	46.00	9
98.66	72.14	21	42.76	48.17	10
99.25	74.32	22	51.41	50.35	11
99.60	76.50	23	59.99	52.53	12
99.79	78.68	24	68.12	54.71	13
99.9	80.86	25	75.46	56.89	14
			81.77	59.07	15

(35) ስርዓት

. ከጋራ ጋር ጋራ ጋር ጋራ ጋር ጋራ ጋር ጋራ ጋር

ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር	ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር
81.28	58.88	16	6.79	35.08	5
86.53	61.05	17	10.11	37.25	6
90.68	63.21	18	14.48	39.41	7
93.79	65.37	19	19.97	41.57	8
96.03	67.54	20	26.56	43.74	9
97.56	69.70	21	34.10	45.90	10
98.56	71.86	22	42.33	48.07	11
99.19	74.03	23	50.91	50.23	12
99.56	76.19	24	59.45	52.39	13
99.77	78.36	25	67.57	54.56	14
			74.92	56.72	15

(36) ስርዓት

. ከጋራ ጋር ጋራ ጋር ጋራ ጋር ጋራ ጋር ጋራ ጋር

ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር	ከጋራ ጋር	ከጋራ ጋር	ጋራ ጋር
--------	--------	-------	--------	--------	-------

68.22	54.74	16	2.53	30.45	5
75.63	56.95	17	4.14	32.66	6
82.00	59.16	18	6.51	34.86	7
87.21	61.36	19	9.80	37.07	8
91.26	63.57	20	14.19	39.28	9
94.27	65.78	21	19.73	41.49	10
97.83	70.19	22	26.42	43.70	11
98.75	72.40	23	34.11	45.90	12
99.31	74.61	24	42.52	48.11	13
			51.28	50.32	14
			59.98	52.53	15

(37) **ÜNGÜ**

. 2 N5 N5JUDZP KJdEhY b6J!JQEL JDZP||H5DZPZnZPZP H5N5JHJEL JDZP

Нэгж	Нэгж	Нэгж	Нэгж	Нэгж	Нэгж
53.91	50.98	16	0.51	24.29	5
63.34	53.41	17	0.99	26.72	6
72.02	55.84	18	1.85	29.14	7
79.57	58.26	19	3.27	31.57	8
85.74	60.69	20	5.84	34.00	9
90.52	63.12	21	8.73	36.42	10
93.99	65.54	22	13.24	38.85	11
96.38	67.97	23	19.15	41.28	12
97.93	70.40	24	26.44	43.70	13
98.88	72.82	25	34.94	46.13	14
			44.26	48.56	15

(38) ÜNGÜ

. HĎŽH ŽPĚJUDŽP KJĚHŽ ĆŮ! JQEL JŮŽH HŮDŽHŮŽ HĚNĚH JŮŽH

Нэгж	Нэгж	Нэгж	Нэгж	Нэгж	Нэгж
83.65	59.80	16	7.62	35.69	5
88.48	61.99	17	11.28	37.88	6
92.20	64.19	18	16.04	40.07	7
84.93	66.38	19	21.96	42.26	8
96.83	68.57	20	28.97	44.46	9
98.11	70.76	21	36.88	46.65	10
98.91	72.95	22	45.38	48.84	11
99.40	75.15	23	54.11	51.03	12
99.69	77.34	24	62.65	53.22	13
99.84	79.53	25	70.60	55.42	14
			77.66	57.61	15

(39) $\bar{u}N\bar{u}$

Ü | HÖ Ü Ä Ä Ä N E h z h z h z b ö | J Q E L J D ä | H Ö D J z ä ä | H J N H J E L J D ä

𐌹𐌺𐌰𐌹𐌸𐌰 𐌹𐌺𐌰𐌹𐌸𐌰 𐌹𐌺𐌰𐌹𐌸𐌰 𐌹𐌺𐌰𐌹𐌸𐌰 𐌹𐌺𐌰𐌹𐌸𐌰 𐌹𐌺𐌰𐌹𐌸𐌰 𐌹𐌺𐌰𐌹𐌸𐌰 𐌹𐌺𐌰𐌹𐌸𐌰 𐌹𐌺𐌰𐌹𐌸𐌰

Идентификатор	Имя	Возраст	Идентификатор	Имя	Возраст	Идентификатор	Имя	Возраст
84.90	60.32	133	48.12	48.12	101	6.39	34.77	66
85.78	60.70	134	48.50	48.50	102	6.88	35.15	67
86.62	61.09	135	48.88	48.88	103	7.95	35.91	69
87.42	61.47	136	49.26	49.26	104	8.53	36.29	70
88.20	61.58	137	49.64	49.64	105	9.14	36.68	71
88.23	62.23	138	50.20	50.20	106	9.78	37.06	72
89.64	52.61	139	50.41	50.41	107	10.45	37.44	73
90.31	62.99	140	50.79	50.79	108	11.16	37.82	74
90.94	63.37	141	54.65	51.17	109	12.68	38.58	76
91.75	63.75	142	56.16	51.55	110	13.49	38.96	77
92.13	64.14	143	57.66	51.53	111	14.33	39.35	78
92.67	64.52	144	59.15	52.31	112	15.21	39.73	79
93.19	64.90	145	60.62	52.69	113	16.13	40.11	80
93.68	65.28	146	62.08	53.08	114	17.08	40.49	81
94.13	65.66	147	63.52	53.46	115	18.06	40.87	82
94.57	66.04	148	64.95	53.84	116	19.09	41.25	83
94.98	66.42	149	66.35	54.22	117	20.14	41.63	84
95.72	67.19	151	67.73	54.60	118	21.23	42.02	85
96.05	67.57	152	69.09	54.98	119	22.35	42.40	86
96.93	67.71	155	70.02	55.36	120	23.51	42.78	87
97.65	69.86	158	21.72	55.75	121	24.70	43.16	88
97.85	70.24	159	73.00	56.13	122	25.95	43.54	89
98.04	70.62	160	74.24	56.51	123	27.17	43.92	90
98.66	72.15	164	75.46	56.89	124	28.45	44.30	91
98.90	72.91	166	46.64	57.27	125	29.75	44.69	92
99.01	73.29	167	77.79	57.65	126	32.45	45.45	94
99.53	75.96	174	78.91	58.03	137	33.83	45.83	95
99.70	77.49	178	80.00	58.42	128	35.54	46.21	96
99.79	78.63	181	81.05	58.80	129	36.66	46.95	97
99.81	79.01	182	82.06	59.18	130	38.11	46.97	98
100	88.93	208	83.05	59.56	131	39.57	47.35	99
			83.99	59.94	132	41.05	47.74	100

(40) ~~ÜNÜ~~

Üll	hóÉ	ÜÄp	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ
hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ
hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ	hóÉ
72.90	56.10	131	30.60	44.93	99	1.01	26.78	47	
74.05	56.45	132	31.84	45.28	100	2.05	29.57	55	
76.26	57.15	134	33.09	45.63	101	3.60	32.01	62	

77.32	57.50	135	34.37	45.98	102	3.89	32.36	63
78.36	57.84	136	35.66	46.33	103	4.19	32.71	64
80.35	58.54	138	36.97	46.67	104	5.22	33.76	67
81.31	58.89	139	38.30	47.02	105	6.00	34.46	69
82.23	59.24	140	39.64	47.37	106	6.43	34.81	70
84.82	60.29	143	40.99	47.72	107	6.88	35.15	71
85.63	60.64	144	42.35	48.07	108	7.36	35.50	72
86.40	60.99	145	43.72	48.42	109	7.86	35.85	73
87.15	61.34	146	45.10	48.77	110	8.38	36.20	74
87.87	61.68	147	46.48	49.12	111	10.11	37.25	77
90.46	63.08	151	47.87	49.47	112	10.75	37.60	72
91.04	63.43	152	49.27	49.82	113	12.81	38.65	81
91.59	63.78	153	50.66	50.16	114	13.55	38.99	82
92.62	64.48	155	52.05	50.51	115	14.33	39.34	83
93.09	64.83	156	54.82	51.21	117	15.13	39.69	84
93.54	65.18	157	56.20	51.56	118	15.97	40.04	85
93.97	65.52	158	57.58	51.91	119	16.83	40.39	86
94.38	65.87	159	60.29	52.61	121	17.72	40.74	87
95.13	66.57	161	61.63	52.96	122	81.14	41.09	88
95.47	66.92	162	62.96	53.31	123	19.59	41.44	89
95.79	67.27	163	64.27	53.66	124	21.58	42.14	91
96.38	67.97	165	65.56	54.00	125	22.62	42.49	92
96.90	68.67	167	66.84	54.35	126	23.68	42.83	93
97.14	69.02	168	68.09	54.70	127	24.77	43.18	94
98.11	70.76	173	69.33	55.05	128	25.89	43.53	95
99.89	99.89	201	70.54	55.40	139	27.03	43.88	96
99.98	99.98	215	71.74	55.75	130	29.39	44.58	98

(41) ٢٢٢٢

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٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢
٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢
79.25	58.15	129	30.61	44.93	94	0.92	26.42	45
80.32	58.53	130	31.94	45.31	95	2.84	30.95	57
81.35	58.91	131	33.31	45.69	96	3.10	31.33	58
82.34	59.29	132	34.69	46.06	97	3.37	31.71	59
83.30	59.66	133	36.10	46.44	98	3.97	32.46	61
85.13	60.42	135	37.52	46.82	99	5.50	33.60	64
86.81	61.17	137	38.96	47.20	100	5.45	33.97	65
87.60	61.55	138	40.42	47.57	101	5.88	34.35	66

88.36	61.93	139	41.89	47.95	102	6.34	34.73	67
89.08	62.31	140	43.37	48.33	103	6.82	35.11	68
89.77	62.68	141	44.86	48.71	104	7.33	35.49	69
91.05	63.44	143	46.36	49.09	105	7.87	35.86	70
91.65	63.82	144	47.86	49.46	106	8.44	36.24	71
62.21	64.20	145	49.36	49.84	107	9.04	36.62	72
92.75	64.57	146	50.87	50.22	108	9.67	37.00	73
93.26	64.95	147	52.38	50.60	109	10.34	37.37	74
93.74	65.33	148	53.88	50.97	110	11.03	37.75	75
94.19	65.71	149	55.38	51.35	111	11.76	38.13	76
94.61	66.08	150	56.87	51.73	112	12.52	38.51	77
95.01	66.46	151	58.35	52.11	113	13.32	38.89	78
95.39	66.84	152	59.81	52.49	114	14.15	39.26	79
96.39	67.97	155	61.27	52.86	115	15.01	39.64	80
96.95	68.73	157	62.71	53.24	116	15.91	40.02	81
97.43	69.48	159	64.13	53.62	117	16.84	40.40	82
97.85	70.24	161	65.53	54.00	118	17.81	40.77	83
98.21	71.00	163	66.91	54.37	119	18.81	41.15	84
98.52	71.75	165	68.27	54.75	120	19.85	41.53	85
98.79	72.51	167	69.60	55.13	121	20.92	41.91	86
98.89	72.88	168	70.91	55.51	122	22.02	42.29	87
99.34	74.77	173	72.19	55.89	123	23.16	42.66	88
99.41	75.15	174	73.44	56.26	124	24.32	43.04	89
99.62	76.66	178	74.67	56.64	125	25.52	43.42	90
99.78	78.55	183	75.86	57.02	126	26.75	43.80	91
99.88	80.44	188	77.02	57.40	127	28.01	44.17	92
			78.15	57.77	128	29.29	44.55	93

(42) ٢٢٢٢

٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢
٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢	٢٢٢٢
79.53	58.25	119	45.70	45.70	86	4.25	32.77	52
81.62	59.01	121	46.08	46.08	87	4.60	33.15	53
83.58	59.39	122	46.46	46.46	88	7.26	35.43	59
85.39	59.77	123	46.84	46.84	89	8.37	36.89	61
86.24	60.53	125	47.22	47.22	90	10.27	37.34	64
87.06	60.91	126	47.60	47.60	91	10.96	37.72	65
87.85	61.29	127	47.98	47.98	92	11.70	38.10	66
88.60	61.67	129	48.36	48.36	93	12.46	38.48	67
89.30	62.05	130	48.74	48.74	94	13.26	38.86	68
90.00	62.43	131	49.12	49.12	95	14.09	39.24	69
91.27	63.57	133	49.50	49.50	96	14.96	39.62	70
91.86	63.96	134	50.27	50.27	98	15.86	40.00	71

Налого	Налого	Налого	Налого	Налого	Налого
81.70	59.04	16	5.53	34.04	5
87.10	61.31	17	8.56	36.32	6
91.28	63.58	18	12.69	38.59	7
94.36	65.86	19	18.04	40.86	8
96.51	68.13	20	24.61	43.13	9
97.93	70.40	21	32.29	45.41	10
98.83	72.67	22	40.82	47.68	11
99.37	74.95	23	49.80	49.95	12
99.68	77.22	24	58.79	52.22	13
99.84	79.49	25	67.35	54.49	14
			75.07	56.77	15

(46) $\bar{u}Ng\mu$

!QF Dŭŕŕ	!QF Dŭŕŕ	!QF Dŭŕŕ	!QF Dŭŕŕ	!QF Dŭŕŕ
70.18	55.30	13	7.48	35.59
78.11	57.76	14	11.61	38.06
84.67	60.22	15	17.15	40.52
89.77	62.69	16	24.14	42.98
93.51	65.15	17	32.43	45.44
98.89	72.54	20	41.71	47.91
99.38	75.00	21	51.48	50.37
99.98	84.85	25	61.15	52.83

(47) $\bar{u}N_{\bar{u}}\mu$

[illegible]

(48) üNɣu

. 5 H E J U D Ā h ū d e z ē n y b ŏ ! J Q E L J D ĩ ħ | h ū d ŏ z ě z ě | h N h ŭ J E L J D ĩ ħ

h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	!j ₁ !j ₂ !j ₃ !j ₄ !j ₅ !j ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	!j ₁ !j ₂ !j ₃ !j ₄ !j ₅ !j ₆
74.24	56.51	15	4.15	32.66	5
81.31	58.89	16	6.74	35.05	6
87.03	61.28	17	10.44	37.43	7
91.40	63.66	18	15.43	39.82	8
94.57	66.05	19	21.77	42.20	9
96.73	68.43	20	29.41	44.59	10
98.13	70.81	21	38.10	46.97	11
98.98	73.20	22	47.43	49.35	12
99.47	75.58	23	59.90	51.74	13
99.74	77.97	24	66.00	54.12	14

(49) **üNçü**

5. H₂U₂O₇ + H₂PO₄⁻ + H₂O → H₂UO₄ + H₃PO₄ + H₂O

húðþröð	húðþröð	!JQFHÖJF	húðþröð	húðþröð	!JQFHÖJF
81.01	58.78	15	4.68	33.23	5
87.15	61.34	16	6.76	35.79	6
91.76	63.89	17	12.18	38.34	7
95.00	66.45	18	18.13	40.90	8
97.13	69.00	19	25.63	43.45	9
98.44	71.56	20	34.48	46.01	10
99.20	74.11	21	44.24	48.56	11
99.62	76.67	22	54.45	51.12	12
99.93	81.78	24	64.33	53.67	13
			73.32	56.23	14

(50) **ÜNŞÜ**

. 5Pǝtũḏāy̆ hyɔfEhozʰoZ bɑj! jQEL Jũḁ|| hɔfDžũḁŋ̊ fDn̄hɔfEL Jũḁ

h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	!j ₁ !j ₂ !j ₃ !j ₄ !j ₅ !j ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	!j ₁ !j ₂ !j ₃ !j ₄ !j ₅ !j ₆
76.42	57.20	13	6.04	34.49	5
84.23	60.04	14	10.25	37.33	6
90.11	62.88	15	16.27	40.17	7
94.20	65.72	16	24.21	43.00	8
96.82	68.55	17	33.88	45.84	9
98.38	71.39	18	44.76	48.68	10
99.99	88.43	24	56.05	51.52	11
			66.25	54.36	12

(51) **ÜNÇÜ**

[illegible]

Нодардифе	Нодардифе	Юдифе	Нодардифе	Нодардифе	Юдифе
91.09	63.46	14	9.16	36.99	5
94.99	66.44	15	15.07	39.66	6
97.39	69.41	16	23.08	42.64	7
98.74	72.39	17	33.05	45.61	8

99.44	75.36	18	44.39	48.59	9
99.077	78.34	19	56.22	51.56	10
99.91	81.31	20	67.51	54.54	11
99.97	84.29	21	77.38	57.51	12
100	96.19	25	85.29	60.49	13

(52) $\bar{u}n_{ij}$

\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}
\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}
88.25	61.88	14	8.58	36.33	5
92.94	64.72	15	13.93	39.17	6
96.04	67.55	16	21.20	42.00	7
97.93	70.39	17	30.30	44.84	8
98.99	73.23	18	40.83	47.68	9
99.54	76.07	19	52.08	50.52	10
99.97	84.59	22	63.16	53.36	11
99.99	87.43	23	73.23	56.20	12
			81.69	59.04	13

(53) $\bar{u}n_{ij}$

\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}
\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}
88.99	62.26	14	11.27	37.87	5
93.18	64.97	15	17.32	40.58	6
96.15	67.68	16	25.12	43.29	7
97.93	70.39	17	34.47	46.00	8
98.96	73.10	18	44.88	48.71	9
99.51	75.81	19	55.66	51.42	10
99.78	78.52	20	66.03	54.13	11
99.91	81.23	21	75.31	56.84	12
99.99	86.65	23	83.03	59.55	13

(54) $\bar{u}n_{ij}$

\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}
\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}	\bar{u}_{ij}
87.42	61.46	13	12.93	38.72	5
92.37	64.31	14	19.95	41.56	6
95.68	67.15	15	28.80	44.41	7
97.72	69.99	16	39.17	47.25	8
98.88	72.84	17	50.37	50.09	9
99.49	75.68	18	61.55	52.94	10
99.91	81.36	20	71.83	55.78	11

80.57	58.62	12
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(55) üñju

hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp
73.45	56.27	15	3.82	32.29	5
80.69	58.66	16	6.28	34.68	6
86.57	61.06	17	9.82	37.08	7
91.08	63.46	18	14.64	39.48	8
94.36	65.86	19	20.83	41.88	9
96.60	68.26	20	28.35	44.28	10
98.06	70.65	21	36.97	46.67	11
98.94	73.05	22	46.30	49.07	12
99.73	77.85	24	55.84	51.47	13
99.88	80.25	25	65.05	53.87	14

(56) üñju

hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp
64.64	53.76	15	2.96	31.14	5
72.64	56.02	16	4.84	32.40	6
79.62	58.28	17	7.58	35.66	7
85.41	60.54	18	11.36	37.92	8
89.98	62.80	19	16.31	40.18	9
83.40	65.07	20	22.50	42.45	10
95.84	67.33	21	29.83	44.71	11
97.49	69.59	22	38.09	46.97	12
98.56	71.85	23	46.94	49.23	13
99.21	74.11	24	55.94	51.49	14

(57) üñju

hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp	hãñjũdãp
70.76	55.46	15	3.94	32.42	5
78.13	57.77	16	6.34	34.73	6
84.30	60.07	17	9.73	37.03	7
89.20	62.37	18	14.31	39.34	8
92.89	64.68	19	20.16	41.64	9
95.53	66.98	20	27.24	43.94	10
97.31	69.29	21	35.37	46.25	11
98.46	71.59	22	44.24	48.55	12
99.16	73.89	23	53.41	50.85	13

99.78	78.50	24	62.40	53.16	14
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(58) ሲባል

ሲባል	ሲባል	ሲባል	ሲባል	ሲባል	ሲባል
77.46	57.54	15	6.41	34.78	5
83.69	59.82	16	9.78	37.06	6
88.67	62.09	17	14.31	39.34	7
92.46	64.37	18	20.08	41.61	8
95.20	66.64	19	27.05	43.89	9
97.08	68.92	20	35.06	46.16	10
98.30	71.20	21	3.79	48.44	11
99.75	78.02	24	52.85	50.71	12
99.88	80.30	25	61.75	52.99	13
			70.07	55.27	14

(59) ሲባል

ሲባል	ሲባል	ሲባል	ሲባል	ሲባል	ሲባል
83.12	59.59	15	10.67	37.60	5
88.07	61.79	16	15.39	39.80	6
91.90	63.98	17	21.19	42.00	7
94.72	66.18	18	28.09	44.20	8
96.70	68.38	19	35.93	46.40	9
98.02	70.58	20	44.42	48.60	10
98.86	72.78	21	53.17	50.79	11
99.37	74.98	22	61.76	52.99	12
99.67	77.18	23	69.82	55.19	13
99.92	81.57	25	77.00	57.39	14

(60) ሲባል

ሲባል	ሲባል	ሲባል	ሲባል	ሲባል	ሲባል
74.67	56.64	15	8.14	36.04	5
80.79	58.70	16	11.71	38.10	6
85.91	60.76	17	16.26	40.16	7
90.01	62.82	18	21.84	42.22	8
93.17	64.88	19	28.38	44.28	9
95.49	66.94	20	35.73	46.34	10
97.13	69.00	21	43.66	48.40	11
98.24	71.06	22	51.85	50.46	12
99.41	75.18	24	59.96	52.52	13
99.68	77.24	25	67.66	54.58	14

(61) **ÜNGÜ**

[illegible]

High	High	Low	High	High	Low
84.24	60.05	15	9.45	36.86	5
89.18	62.36	16	13.97	39.18	6
92.90	64.68	17	19.77	41.50	7
95.54	67.00	18	26.82	43.82	8
97.33	69.32	19	34.96	46.14	9
98.48	71.64	20	43.86	48.45	10
99.17	73.95	21	53.08	50.11	11
99.57	76.27	22	62.14	53.09	12
99.79	78.59	23	70.57	55.41	13
99.96	83.23	25	78.02	57.73	14

(62) **üNçü**

[illegible]

High	High	Low	High	High	Low
100%	100%	100%	100%	100%	100%
88.16	61.83	13	14.65	39.48	5
92.82	64.63	14	21.99	42.28	6
95.92	67.42	15	31.10	45.07	7
97.92	70.21	16	41.54	47.86	8
98.84	73.01	17	52.62	50.66	9
99.51	75.80	18	63.50	53.45	10
99.99	86.98	20	73.38	56.24	11
			81.70	59.04	12

(63) **üNçü**

[illegible]

High	High	Low	High	High	Low
80.68	58.66	15	9.69	37.01	5
86.06	60.83	16	13.94	39.17	6
90.31	62.99	17	19.32	41.34	7
93.52	65.16	18	25.79	43.50	8
95.84	67.33	19	33.25	45.67	9
97.44	69.49	20	41.43	47.83	10
98.48	71.66	21	50.00	50.00	11
99.14	73.82	22	58.57	52.17	12
99.53	75.99	23	66.75	54.33	13
99.88	80.32	25	74.21	56.50	14

(64) **ÜNGÜ**

. hũb̥fũtũd̥z̥ hũb̥f̥h̥z̥f̥h̥z̥ b̥d̥! j̥q̥l̥ j̥d̥z̥ | h̥s̥d̥ ʒ̥ũd̥z̥ ʒ̥ f̥d̥n̥ h̥ũt̥l̥ j̥d̥z̥

ከጋላጃቶ፣	ከጋላጃቶ፣	!ጋላጃቶ፣	ከጋላጃቶ፣	ከጋላጃቶ፣	!ጋላጃቶ፣
74.29	56.52	15	8.53	36.30	5
80.36	58.55	16	12.14	38.32	6
85.47	60.57	17	16.71	40.34	7
89.60	62.59	18	22.25	42.36	8
92.80	64.61	19	28.73	44.39	9
95.19	66.64	20	35.98	46.41	10
96.90	68.66	21	43.77	48.43	11
98.07	70.68	22	51.81	50.45	12
98.84	72.70	23	59.78	52.48	13
99.63	76.75	25	67.36	54.50	14

(65) ሲባሉ

. ከጋላጃቶ፣ ከጋላጃቶ፣ ከጋላጃቶ፣ ከጋላጃቶ፣ ከጋላጃቶ፣ ከጋላጃቶ፣

ከጋላጃቶ፣	ከጋላጃቶ፣	!ጋላጃቶ፣	ከጋላጃቶ፣	ከጋላጃቶ፣	!ጋላጃቶ፣
87.44	91.47	16	9.25	36.75	5
91.50	63.72	17	13.55	38.99	6
94.48	65.97	18	19.06	41.24	7
96.57	68.22	19	25.75	43.49	8
97.96	70.46	20	33.50	45.74	9
98.84	72.71	21	42.02	47.99	10
99.37	74.96	22	50.93	50.23	11
99.67	77.21	23	59.80	52.48	12
99.84	79.46	24	68.19	54.73	13
99.92	81.70	25	75.73	56.98	14
			82.19	59.22	15

(66) ሲባሉ

. ከጋላጃቶ፣ ከጋላጃቶ፣ ከጋላጃቶ፣ ከጋላጃቶ፣ ከጋላጃቶ፣ ከጋላጃቶ፣

ከጋላጃቶ፣	ከጋላጃቶ፣	!ጋላጃቶ፣	ከጋላጃቶ፣	ከጋላጃቶ፣	!ጋላጃቶ፣
83.55	59.76	16	9.64	36.97	5
88.17	61.83	17	13.67	39.05	6
91.78	63.91	18	18.72	41.12	7
94.50	65.98	19	24.79	43.19	8
96.45	68.05	20	31.78	45.26	9
97.79	70.12	21	39.48	47.33	10
98.68	72.19	22	47.62	49.40	11
99.24	74.27	23	55.87	51.48	12
99.58	76.34	24	63.86	53.55	13
99.78	78.41	25	71.29	55.62	14
			77.91	57.69	15

(67) ሲባሉ

h2 JE QFUDZP ĀNĪEh2Eh2 bō !JQEL JĪŋh2QFh2h2ġ h2Nġh2EL JĪŋE

h2ġh2QFh2E	h2h2Eh2ĪŋE	!JQELh2ĪŋE	h2ġh2QFh2E	h2h2Eh2ĪŋE	!JQELh2ĪŋE
71.75	55.75	16	3.15	31.41	5
78.72	57.97	17	5.07	33.62	6
84.57	60.18	18	7.83	35.84	7
89.24	62.39	19	11.60	38.05	8
92.80	64.61	20	16.51	40.26	9
95.37	66.82	21	22.59	42.48	10
97.15	69.03	22	29.77	44.69	11
98.32	71.25	23	37.83	46.90	12
99.05	73.46	24	46.47	49.11	13
99.67	75.67	25	55.28	51.33	14
			63.84	53.45	15

(68) ūŋh2

h2 JE QFUDZP h2ĪŋEh2Eh2 bō !JQEL JĪŋh2QFh2h2ġ h2Nġh2EL JĪŋE

h2ġh2QFh2E	h2h2Eh2ĪŋE	!JQELh2ĪŋE	h2ġh2QFh2E	h2h2Eh2ĪŋE	!JQELh2ĪŋE
65.76	54.06	16	2.16	29.97	5
73.39	56.25	17	3.72	32.16	6
80.06	58.44	18	5.88	34.35	7
85.61	60.63	19	8.91	36.54	8
90.00	62.82	20	12.99	38.73	9
93.33	65.01	21	18.19	40.92	10
95.73	67.20	22	24.54	43.11	11
97.37	69.39	23	31.91	45.30	12
98.45	71.58	24	40.09	47.49	13
99.13	73.77	25	48.72	49.68	14
			57.41	51.87	15

(69) ūŋh2

h2 JE QFUDZP h2ĪŋEh2Eh2 bō !JQEL JĪŋh2QFh2h2ġ h2Nġh2EL JĪŋE

h2ġh2QFh2E	h2h2Eh2ĪŋE	!JQELh2ĪŋE	h2ġh2QFh2E	h2h2Eh2ĪŋE	!JQELh2ĪŋE
68.19	54.73	16	2.00	29.46	5
75.89	57.03	17	3.41	31.76	6
82.45	59.33	18	5.54	34.06	7
87.74	61.62	19	8.62	36.35	8
91.80	63.92	20	12.82	38.65	9
94.76	66.22	21	18.27	40.95	10
96.79	68.51	22	24.97	43.25	11
98.13	70.81	23	32.79	45.54	12
98.96	73.11	24	41.45	47.84	13

99.45	75.40	25	50.55	50.14	14
			59.62	52.43	15

(70) üNçü

h2je qfjütdžp hqfjehozehoz bčj!jqel jüžj||hčfjčžnčjčž fčpNjčqel jüžje

h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	!q ₁ q ₂ q ₃ q ₄ q ₅ q ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆	!q ₁ q ₂ q ₃ q ₄ q ₅ q ₆
77.20	57.46	15	6.23	34.64	5
83.49	59.74	16	9.55	36.92	6
88.53	62.02	17	14.02	39.20	7
92.37	64.30	18	19.73	41.49	8
95.14	66.58	19	26.65	43.77	9
97.04	68.86	20	34.64	46.05	10
98.28	71.15	21	43.37	48.33	11
99.04	73.43	22	52.44	50.61	12
99.49	75.71	23	61.38	52.89	13
99.74	77.99	24	69.76	55.17	14

(71) üNçü

2 N5 N5UUDŽP ĀNĒJēzēhūz hōū! JOEL JĪJĀ||hōūDŽhūzē JēNĒhūJEL JĪJĒ

हृत्पञ्चमे	हृत्पञ्चमे	!पञ्चमे	हृत्पञ्चमे	हृत्पञ्चमे	!पञ्चमे
55.65	51.42	16	1.22	27.5	5
64.04	53.59	17	2.11	29.68	6
71.80	55.77	18	3.48	31.85	7
78.65	57.94	19	5.51	34.03	8
84.42	60.12	20	8.38	36.20	9
89.05	62.29	21	12.25	38.37	10
92.60	64.47	22	17.23	40.55	11
95.19	66.64	23	23.34	42.72	12
97.00	68.81	24	30.49	44.90	13
98.20	70.99	25	38.48	47.07	14
			46.99	49.25	15

(72) **üNçü**

2 N5 N5JUD3Y h3JJEh3ZJh3Z b3J!JQEL J3J3|h3JQ3J3J3J3 J3JN3J3EL J3J3E

h ₁ (p ₁)	h ₂ (p ₂)	!q (p ₃)	h ₁ (p ₁)	h ₂ (p ₂)	!q (p ₃)
53.20	50.80	16	0.34	22.95	5
63.06	53.33	17	1.40	28.02	7
72.13	55.87	18	2.59	30.55	8
79.95	58.40	19	4.53	33.08	9
86.28	60.93	20	7.51	35.61	10
91.09	63.46	21	11.79	38.84	11
94.51	65.99	22	17.56	40.68	12

(76) üNçju

Jüüdäq hūnēhozēhoz bō! JQEL JDÜŋ||hōpǎžñāčǝ fāNjūmEJL JDÜŋ

HĎŽA ŽĚ

h ₁	h ₂	j	h ₁	h ₂	j
80.66	58.66	16	6.49	34.85	5
86.04	60.82	17	9.71	37.02	6
90.29	62.98	18	13.96	39.18	7
93.51	65.15	19	19.34	41.34	8
95.83	67.31	20	25.81	43.51	9
97.43	69.48	21	33.26	45.67	10
98.48	71.64	22	41.43	47.84	11
99.14	73.80	23	50.00	50.00	12
99.53	75.97	24	58.57	52.16	13
99.75	78.13	25	66.74	54.33	14
			74.19	56.49	15

(77) **üNçju**

ÜJIDÄR HAFELHAFEL BÖ! JOEL JÜZ||HÖPZÜNDÖF HANJUFEL JÜZE

HĎAŽE

hũpZũf	hũpZũf	!ũpZũf	hũpZũf	hũpZũf	!ũpZũf
81.20	58.85	15	7.78	35.80	5
86.77	61.16	16	11.71	38.10	6
91.09	63.46	17	16.88	40.41	7
94.26	65.77	18	23.31	42.71	8
96.46	68.07	19	30.92	45.02	9
97.92	70.38	20	39.45	47.32	10
98.83	72.68	21	48.53	49.63	11
99.38	74.99	22	57.67	51.94	12
99.85	79.60	24	66.43	54.24	13
99.93	81.90	25	74.36	56.55	14

(78) üNçü

hɛ̌žž ʔp̌ǰǰuɖ̌ž ʔhɔ̌p̌f̌eɔ̌žf̌eɔ̌ž ɪɖ̌! ʔɕ̌ɕ̌ ʔɖ̌ž||hɔ̌p̌f̌eɔ̌žž ʔp̌ňȟǰɕ̌ɕ̌ ʔɖ̌ž

High	High	Low	High	High	Low
81.16	58.84	14	10.31	37.67	5
86.92	61.23	15	15.26	39.75	6
91.33	63.61	16	21.58	42.13	7
94.52	66.00	17	29.19	44.52	8
96.70	68.38	18	37.86	46.91	9
98.11	70.77	19	47.18	49.29	10
99.74	77.93	22	56.67	51.68	11
99.88	80.32	23	65.79	54.07	12
99.98	85.09	25	74.06	56.45	13

(q) 50pž

f z 0!Nžj hč qžč qžč ŮEugDžč q||hž z qž j0t |f
l jNqjžDžčNjü|| hč ŮEÄY!j0f!Njüž
hčjyqž